

REVISED ANADROMOUS STREAM CATALOG OF

SOUTHEASTERN ALASKA

Appendix A - District 1

Volume III

Western Behm Canal and Ketchikan Area Survey Data

By: John Edgington and Robert Larson

1977

HABITAT CZM PROJECT 920 W. DIMOND ANCHORAGE, ALASKA 995

REVISED ANADROMOUS STREAM CATALOG OF SOUTHEASTERN ALASKA

Ву

John Edgington

and

Robert Larson
Alaska Department of Fish and Game
Division of Commercial Fisheries
Ketchikan, Alaska

1977

Appendix A - District 1

Volume III

Western Behm Canal and Ketchikan Area Survey Data

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CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
101-27-19	Dall Bay (Dall Head Creek)	K117B, 116A
101-27-36	Bostwick Head	K114, 116
101-27-61	Blank Creek	K114A, 115
101-29-06	Vallenar Creek	K116, 117
101-41-12	Coho Cove	K101, 101
101-41-14	Coho Cove, right head.	K101A, 101A
101-41-25	Lucky Cove Creek	K105, 105
101-43-29	Pop Creek (Thorne)	K102, 102
101-43-33	Fish Creek	K103, 103
101-43-41	Gokachin Creek (Sea Level Creek)	K104, 104
101-43-47		104A
101-45-07	Herring Creek	к92, 86С
101-45-16	Mahoney Creek	к93, 87
101-45-24	White River	к94, 88
101-45-32	Leask Creek	к95, 89
101-45-38	Salt Chuck	к96, 90
101-45-42	East Salt Chuck	90A
101-45-67	Carroll Inlet, 1.2 mi. no. Osten Island.	к97, 93
101-45-75	Nigelius	к98, 94
101-45-78	Carroll River	к99, 95
101-45-88	Carroll Inlet (Shoal Cove)	к99С, 98
101-45-94	Spit Creek	K100, 100
101-47-15	Ward Creek	к90, 86
101-47-17	Carlanna Creek	K90A, 86A
101-47-25	Ketchikan Creek	к91, 86В
101-47-50	Lewis Reef	к115 , 117С
101-47-55		117B
101-47-70		117A

CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
101-80-03	Cow Creek	к79, 79
101-80-20	Klu Creek	K82, 81
101-80-40	Wasta Creek	K55, 51
101-80-60	Spacious Bay. Head of cove no. of Square Island (Sea Lion Cove).	K55A, 51A
101-80-63	Yes Bay 1.6 mi. W. of Yes River	K54B, 50C
101-80-66	Yes Bay head.	K54A, 50B
101-80-68	Wolverine (Yes River)	K54, 50
101-80-70	Hd. McDonald Lake (Hatchery Cr.) (Walker Cr.)	K54-1, 50A
101-80-73	Shelokum Creek	K53, 48A
101-80-84	Short Creek	к52, 47
101-80-93	Anchor Creek	к51, 46
101-80-99	Bell Creek	K81, 49
101-90-10	Neets Creek	к83, 82
101-90-29	Traitors Creek	K84, 84
101-90-39	Margarita Creek	к85, 83
101-90-48	Loring Creek	K86, 85G
101-90-50	Naha River	к87, 85
101-90-52	Steelhead Creek	к87А, 85
101-90-60	Wolf Creek	к88, 85к
101-90-61	Moser Creek (Moesher)	K89, 85L, 85M
101-90-68	Lunch Creek	85B
101-90-72	Bond Bay	K61, 56B
101-90-75	Smugglers Creek	K60, 56
101-90-78	Helm Bay, 2.4 mi. SW side from head.	55B
101-90-80	Helm Bay head	K59, 54
101-90-84	Helm Lake Creek (east entrance)	K58, 55

CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
101-90-85	Helm Bay	55A
101-90-86	Raymond Creek (Granite Creek)	K57, 53
101-90-92	Stewart Creek	K56, 52

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	_M 2	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-27-19 Dall Creek	12	5,280	63,360	5,886	65	3,825
101-27-23	5	200	1,000	92	20	20
101-27-26	8 12	400 2,000	3,200 24,000	297 2,229	90 75 TOTAL	253 1,672 1,925
101-27-28	19	3,500	66,500	6,178	50	3,089
101-27-30	LIMIT	ED SPAWNIN	G/REARING			
101-27-36 below falls right left fork	60 20 30	7,500 20,000 20,000	450,000 400,000 600,000	41,805 37,160 55,740	50 10 10 TOTAL	20,900 3,716 5,574 30,190
101-27-40	8	900	7,200	669	35	234
101-27-50		•			estima	te 100
101-27-52					estima	te 30
101-27-56	20	600	12,000	1,114	20	220
101-27-61 Blank Creek	50 30	100 200	5,000 6,000	465 557	25 50 TOTAL	116 279 395
				TOTAL 1	L01-27	40,028
101-29-06 Vallenar Creek	30	20,000	600,000	55,740	50	27,870
101-29-11 Grant Creek	12 11	600 4,500	7,200 49,500	668 4,598	50 60 TOTAL	3,100
101-29-17	8	1,000	8,000	743	50	371
101-29-29	20	1,000	20,000	1,858	50	929
101-29-35	10	4,000	40,000	3,716	50	1,858
				TOTAL 1	L01-29	34,128

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	M ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-41-05	SPAWNI	NG LIMITE	TO MARGIN	S OF ITZ	estimate	200
101-41-10	LIMITE	D SPAWNING	G AREA			
101-41-12 Hd. Coho Cove	20	600	12,000	1,115	60	669
101-41-14	LIMITE	D SPAWNING	3			
101-41-18	LIMITE	D SPAWNING	G/REARING	•		
101-41-25	30	5,280	158,400	14,715	50	7,358
101-43-05 Moth Bay Creek	11	1,100	12,100	1,124	30	337
101-43-09	20	1,200	24,000	2,230	80	1,784
101-43-15	15	375	5,625	523	50	261
101-43-16	15	150	2,250	209	20	42
101-43-18	18	220	3,960	368	60	220
101-43-19	LIMITE	D SPAWNIN	G/REARING			
101-43-20	9	660	5,940	552	40	221
101-43-21	8	250	2,000	186	30	56
101-43-23	21	200	4,200	390	50	195
101-43-25	LIMITE	ED SPAWNIN	G, GOOD RE	ARING		
101-43-26	LIMITE	ED SPAWNIN	G/REARING			
101-43-29					estimat	e 350
101-43-32	13	300	3,900	362	30	109
101-43-33 Fish Creek					estimat	e 6,000
101-43-41 Gokachin Creek	37	7,920	293,040	27,223	60	16,334
101-43-47	12	2,640	31,680	2,943	75	2,207
101-43-51	12	1,320	15,840	1,472	90	1,324
101-43-52	8	1,320	10,560	981	80	785

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	_M ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-43-53	20	1,320	26,400	2,453	30	736
101-43-54	15	600	9,000	836	10	84
101-43-57	LIMITE	ED SPAWNIN	G/REARING			
101-43-59	LIMITE	ED SPAWNIN	G/REARING			
101-43-63	30	5,280	158,400	14,715	40	5,886
			•	TOTAL 1	101-43	36,931
101-45-07	10 5	900 300	9,000	836	80	669
	J	300	1,500	139	50 TOTAL	70 739
101-45-16 Mahoney Creek	75	250	18,750	1,742	60	1,045
101-45-19	30	600	18,000	1,672	60	1,003
101-45-21	LIMITE	ED SPAWNIN	G/REARING			
101-45-24 White River	50	15,000	750,000	69,675	50	35,000
101-45-30	15	100	1,500	139	40	60
101-45-32 Leask Creek	30	5,000	150,000	13,935	66	9,197
101-45-34	6	225	1,350	125	65	82
101-45-38 Salt Chuck	90	800	72,000	6,689	70	4,682
101-45-40	15	400	6,000	557	40	223
101-45-42	40	2,640	105,600	9,810	70	6,867
101-45-44	10 6 6	100 450 600	1,000 2,700 3,600	93 251 334	30 30 10 TOTAL	28 75 <u>33</u> 136
101-45-46					estimate	
101-45-48					estimate	
101-45-50	36	1,320	47,520	4,415	10	441

STREAM	Atrebace				PERCENT	
NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	SPAWNING AREA	SPAWNING AREA - M ²
101-45-52	INTERMI	TTENT		•		
101-45-53			G/REARING	*. :		
101-45-57			G/REARING			
101-45-59	15			/ / 50		
101-45-60		3,300	49,500	4,459	75	3,450
101-43-60	LIMITED	SPAWNIN	G/REARING		(Marcolander of the control of the c	
101-45-61	10	2,640	26,400	2,453	45	1,104
101-45-62	LIMITED	SPAWNIN	G/REARING			
101-45-64	10	100	1,000	93	40	37
101-45-65	LIMITED	SPAWNIN	G/REARING			
101-45-67	35	500	17,500	1,626	60	975
101-45-69					estimate	20
101-45-71	10	400	4,000	372	50	186
101-45-73 Gunsight Creek	23	2,640	60,720	5,641	35	1,974
101-45-75 Nigelius Creek	30	5,280	158,400	14,715	50	7,358
101-45-76	LIMITED	SPAWNIN	G/REARING			
101-45-78 Carroll River	90	10,000	900,000	83,610	50	41,800
101-45-80	LIMITED	SPAWNIN	G/REARING		•	
101-45-82	LIMITED	SPAWNIN	G/REARING			
101-45-84 Licking Creek	45	7,500	337,500	31,354	30	9,406
101-45-85 Calamity Creek	LIMITED	SPAWNIN	G/REARING			
101-45-86	LIMITED	SPAWNIN	G/REARING			
101-45-87	40	800	32,000	2,973	60	1,784
101-45-88	50	200	10,000	929	80	743

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	_M 2	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-45-89	LIMITE	D SPAWNING	/REARING			
101-45-90	LIMITE	D SPAWNING	/REARING			
101-45-92	35	600	21,000	1,951	50	975
101-45-94			•		estima	te 9,000
101-45-96	LIMITE	D SPAWNING	;			
101-45-97	24	150	3,600	334	40	134
101-45-99					estima	te 3,000
				TOTAL 1	01-45	110,052

101-47-14	30	200	6,000	557	70	390	
Whipple Creek			•				
• •							
101-47-15	31	4,000	124,000	11,520	25	2,880	
Ward Lake	60	5,000	300,000	27,870	45	12,542	
	35	600	21,000	1,951	70	1,366	
	28	600	16,800	1,561	60	936	
			,		TOTAL	17,723	
						,	
101-47-17	10	250	2,500	232	40	93	
Carlanna Creek			_,				
101-47-18	LIMIT	ED SPAWNIN	G/REARING				
			•				
101-47-19	17	200	3,400	316	20	63	
101-47-19 Hoadley Creek	17	200	3,400	316	20	63	
101-47-19 Hoadley Creek	17	200	3,400	316	20	63	
Hoadley Creek							
Hoadley Creek	40	150	6,000	557	60	334	
Hoadley Creek 101-47-25 Ketchikan Creek						334 4,645	
Hoadley Creek	40	150	6,000	557	60 50	334 4,645 <u>176</u>	
Hoadley Creek 101-47-25 Ketchikan Creek	40	150	6,000	557	60	334 4,645	
Hoadley Creek 101-47-25 Ketchikan Creek Schoenbar Creek	40 40	150 2,500	6,000 100,000	557 9,290	60 50 TOTAL	334 4,645 176 5,155	
Hoadley Creek 101-47-25 Ketchikan Creek	40	150	6,000	557	60 50	334 4,645 <u>176</u>	

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-47-32	LIMITE	ED SPAWNIN				
101-47-35						80
101-47-40	10	2,640	26,400	2,453	50	1,226
L01-47-45	10	1,850	18,500	1,719	30	516
01-47-50	20	500	10,000	929	40	372
-01-47-55	15	600	9,000	836	50	418
101-47-60	9	1,320	11,880	1,104	60	662
01-47-65	9	1,000	9,000	836	35	293
.01-47-70					estimat	e <u>10</u>
				TOTAL 10	1-47	27,071
101-80-03 Cow Creek	80	4,000	320,000	29,728	45	13,378
LO1-80-05 Beaver Creek	50	500	25,000	2,323	30	697
101-80-09	LIMIT	ED SPAWNIN	G/REARING			
101-80-11	LIMIT	ED SPAWNIN	G/REARING			
101-80-12	LIMIT	ED SPAWNIN	G/REARING			
101-80-13	LIMIT	ED SPAWNIN	G/REARING			
101-80-14 Hassler Creek	10	600	6,000	557	20	111
101-80-15 Klam Creek	20 15	150 100	3,000 1,500	279 139	60 25 TOTAL	202
101-80-20 Klu Creek	25	600	15,000	1,394	70	975
101-80-23	LIMIT	ED SPAWNIN	G/REARING			
101-80-28 Gedney Creek	9	400	3,600	334	10	33
101-80-34	20	200	4,000	372	40	149
101-80-36	35	400	14,000	1,301	60	780
101-80-38	22	900	19,800 - 9 -	1,839	48	883

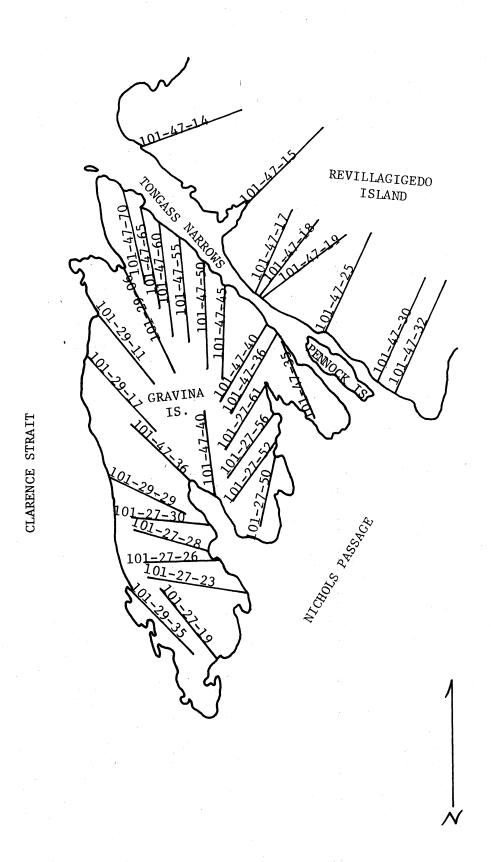
STREAM	AVERAGE				PERCENT SPAWNING	SPAWNING
NAME & NUMBER	WIDTH	LENGTH	FT ²	_M ²	AREA	AREA - M ²
101-80-40	30	5,000	150,000	13,935	10	1,394
Wasta Creek	68	2,640	179,520	16,677	25	4,169
	45	10,000	450,000	41,805	65	27,173
					TOTAL	32,736
101-80-50	30	10,560	316,800	29,431	60	17,658
	40	200	8,000	743	50	372
				(X.9)	TOTAL	16,227
101-80-52	15	800	12,000	1,115	50	557
101-80-56	10	1,000	10,000	929	30	279
101-80-60	30	5,000	150,000	13,935	50	7,000
101-80-63	15	2,640	39,600	3,679	50	1,839
	10	100	1,000	93	60	56
	5	50	250	23	60	14
					TOTAL	1,909
101-80-64	INTER	MITTENT				
101-80-66	15	3,000	45,000	4,181	70	2,926
101-80-68	90	2,000	180,000	16,722	80	13,378
Yes River	50	3,500	175,000	16,258	35	5,690
101-80-70					TOTAL	19,068*
101-80-73	80	1,000	80,000	7,432	15	1,115
Shelokum Creek			,	,,		_,
101-80-75	LIMIT	ED SPAWNIN	G/REARING			
101-80-77	LIMIT	ED SPAWNIN	G/REARING			
101-80-79	LIMIT	ED SPAWNIN	G/REARING			
101-80-81	LIMIT	ED SPAWNIN	G/REARING			
101-80-84	40	1,350	54,000	5,017	40	
Short Creek	40	450	18,000	1,672	60	
					TOTAL	3,010
101-80-85	LIMIT	ED SPAWNIN	G/REARING			
101-80-86	14	900	12,600	1,171	50	585
Sprig Creek	-		,	, — · -		
101-80-88	LIMIT	ED SPAWNIN	G/REARING			
101-80-91	LIMIT	ED SPAWNIN	G/REARING			
* Spawning area	for 101-80	-70 on1v.				
-ramine area						

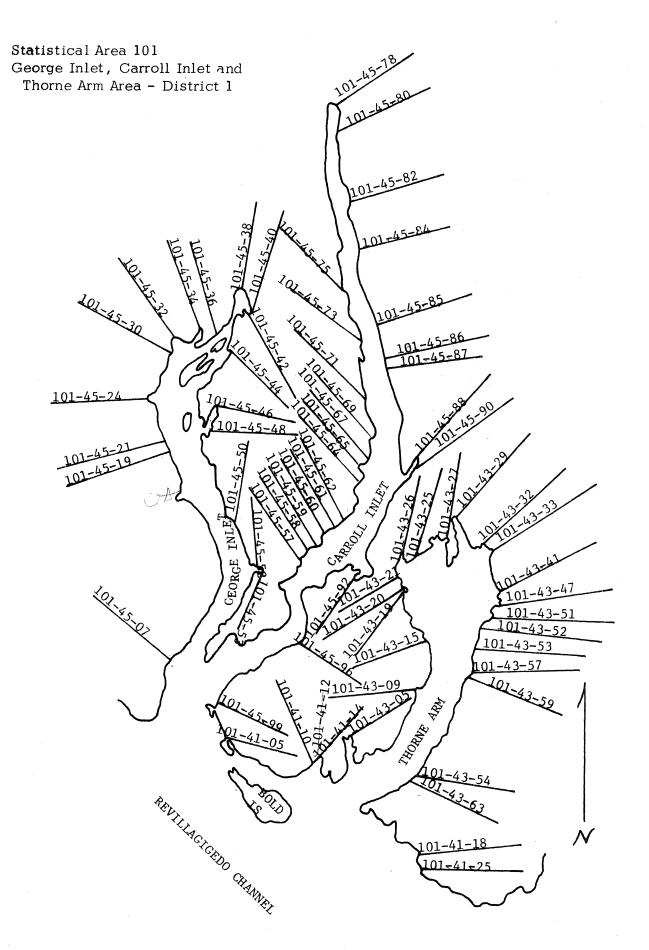
STREAM	AVERAGE	i kanalikan kanalikan di kanalikan jerenggan jerungan jerungan jerungan jerungan jerungan jerungan jerungan je Pa	2	2	PERCENT SPAWNING	SPAWNING
NAME & NUMBER	WIDTH	LENGTH	FT ²	M ²	AREA	$AREA - M^2$
101-80-93 Kingsfisher Creek	10	900	9,000	836	20	167
101-80-95	LIMITI	ED SPAWNING	G/REARING			
101-80-99	15	900	13,500	1,254	20	
Bell Creek	25	1,350	33,750	3,135	60 TOTAL	2,132
				TOTAL 1	01-80	104,919
101-90-02	10	200	2,000	186	75	139
101-90-03	25	400	10,000	929	20	186
	25	700	17,500	1,626	30 TOTAL	<u>488</u> 674
101-90-05	10	600	6,000	557	10	56
101-90-06	15	1,320	19,800	1,839 .	60	1,104
101-90-07	10	180	1,800	167	10	27
101-90-09	LIMIT	ED, PROBABL	Y INTERMIT	TENT		
101-90-10	LIMITI	ED, SOME IN	TERTIDAL			
101-90-11	13	550	7,150	664	25	166
101-90-12	LIMITI	ED SPAWNING	G/REARING			
101-90-13	10	300	3,000	279	30	84
101-90-14	15 8	100 · 150	1,500 1,200	139 111	40 40	
		130	1,200	TII	TOTAL	100
101-90-15	LIMIT	ED SPAWNING	G/REARING			
101-90-16	10	70	700	65	70	46
	7	406	2,842	264	35 TOTAL	92 138
101-90-17	LIMITI	ED SPAWNING	/REARING			
101-90-19	10	2,500	25,000	2,323	40	929
101-90-20	13	5,000	65,000	6,049	10	605
101-90-21	6	150	900	84	80	67

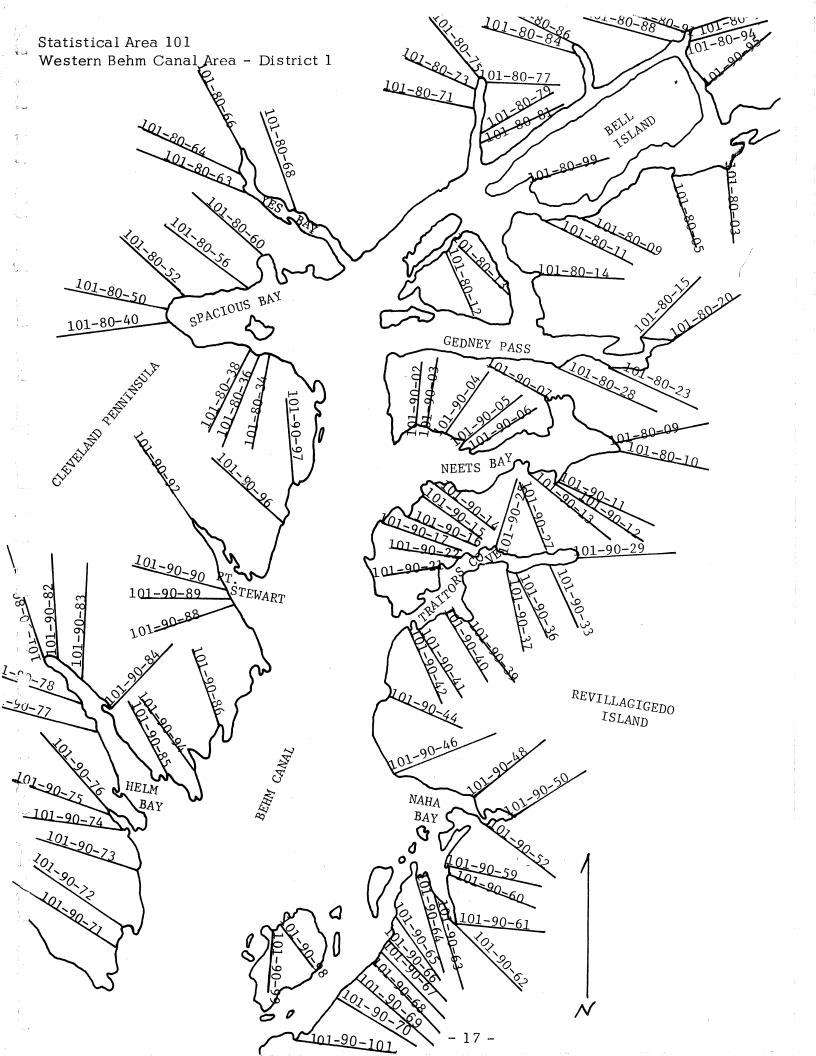
STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
01-90-22	LIMITED	SPAWNING	G/REARING			
L01-90-25	LIMITED	SPAWNING	G/REARING	•		
L01-90-27	5	5,000	25,000	2,323	30	697
101-90-29 Traitors River						27,703+
101-90-33	25	500	12,500	1,161	15	175
101-90-36	5	150	750	70	60	42
101-90-37	20 10	400 500	8,000 5,000	743 465	60 60 TOTAL	725
101-90-39	70 40 15	1,200 2,500 5,280	84,000 100,000 79,200	7,804 9,290 7,358	80 30 40 TOTAL	6,243 2,787 2,943 11,973
101-90-40	LIMITED	SPAWNIN	G/REARING		estimat	e 30
101-90-41	LIMITED	SPAWNING	G/REARING			
101-90-42)	LIMITED	SPAWNIN	G/REARING			
101-90-44	LIMITED	SPAWNIN	G/REARING			
101-90-46	LIMITED	SPAWNIN	G/REARING			
101-90-48 Loring Creek	15 30	800 80	12,000 2,400	1,115 223	35 40 TOTAL	390 89 479
101-90-50						
Naha River - Roose below falls above falls	200 185	2,000 3,000	400,000 555,000	37,160 51,559	70 75	27,012 38,670
swinging bridge to Jordan Lake	70	5,000	350,000	32,515	20	6,500
inlet to Jordan Lake	80	300	24,000	2,229	80	1,784
Jordan Lake to Heckman Lake	65	5,000	325,000	30,192	25	7,548
Heckman Lake in		700	25 000	2 251	40	7 007
upper 1ower	50 75	700 300	35,000 22,500	3,251 2,090	40 75	1,301 1,568
			- 12 -		TOTAL	83,383

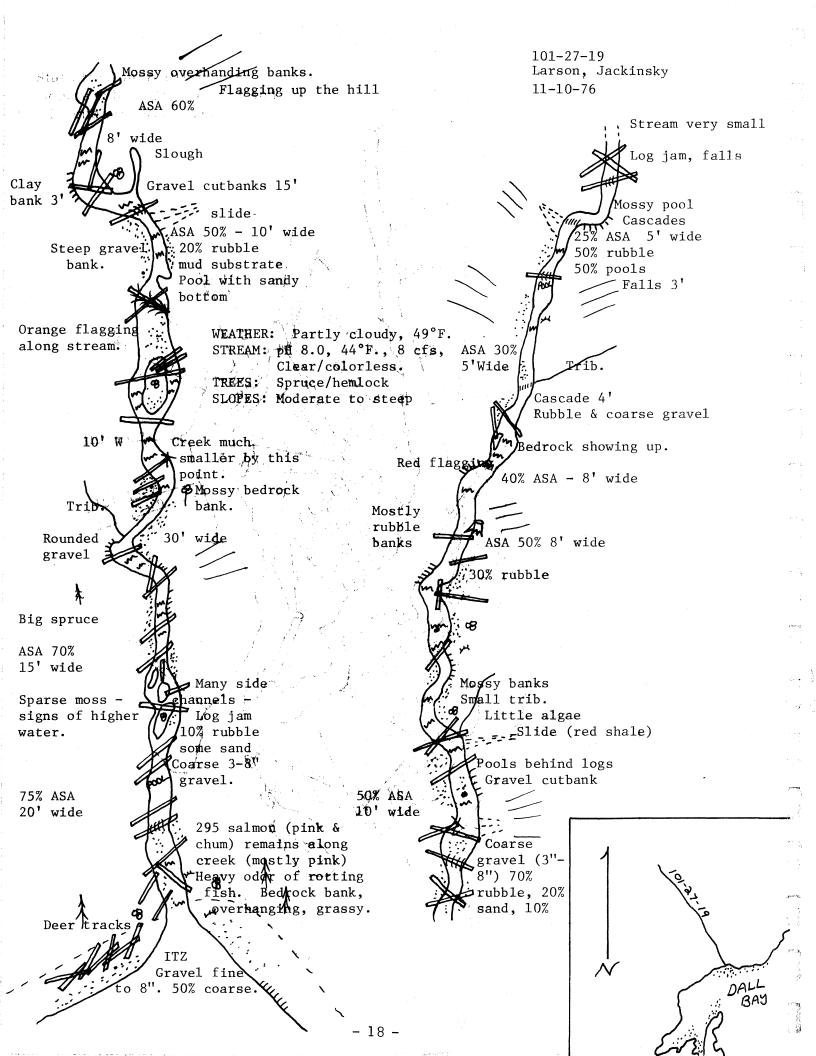
	· · · · · · · · · · · · · · · · · · ·				PERCENT	
STREAM	AVERAGE		2		SPAWNING	SPAWNING
NAME & NUMBER	WIDTH	LENGTH	FT ²	M ²	AREA	AREA - M ²
101-90-52 Steelhead Creek	25	3,960	99,000	9,197	80	7,358
101-90-59 Kline Creek					estimato	e 25
101-90-60 Wolf Creek	18 30	900 300	16,200 9,000	1,505 836	25 30 TOTAL	376 251 627
101-90-61 Moser Creek	25 20	2,000 900	50,000 18,000	4,645 1,672	80 20 TOTAL	3,716 334 4,050
101-90-62					estimate	•
101-90-63	LIMITE	ED SPAWNING	G/REARING			
101-90-64					estimat	e 20
101-90-65	LIMITE	ED SPAWNING	G/REARING			•
101-90-66	5	400	2,000	186	70	130
101-90-67 Sande's Creek	17	2,640	44,880	4,169	35	1,459
101-90-68 Lunch Creek	35	200	7,000	650	15	98
191-90-69 2nd Waterfall Cr.		'ED SPAWN	IING/REAR	ING		
101-90-70 1st Waterfall Cr.	LIMII	ED SPAWN	IING/REAR	ING		
101-90-71	20	2,640	52,800	4,905	60	2,943
101-90-72	8	4,752	38,016	3,532	40	1,413
101-90-73	9	1,980	17,820	1,655	45	745
101-90-74	15 7 3	2,640 1,320 150	39,600 9,240 450	3,679 858 42	40 25 50 TOTAL	1,472 215 21 1,708
101-90-75 Smuggler's	INTERI	IDAL			90	

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
01-90-76 Falls Creek	15	1,000	15,000	1,394	50	697
01-90-77 Innamed Creek	23	500	11,500	1,068	30	321
101-90-78 Gold Standard Cre	58 ek	600	34,800	3,233	50	1,616
.01-90-80 Helm Bay Head	27	9,240	249,480	23,177	50	11,588
L01-90-82	6	200	1,200	111	60	67
	5	200	1,000	93	50	46
					TOTAL	113
101-90-83	13	2,640	34,320	3,188	47	1,499
L01-90-84	17	8,448	143,616	13,342	30	4,003
101-90-85	10	300	3,000	279	50	139
101-90-86	65	1,000	65,000	6,039	60	3,623
Granite Creek	30	2,640	79,200	7,358	20	1,472
	40	1,000	40,000		50	1,858
	30	1,320	39,600	3,679	35	1,288
			·		TOTAL	8,241
101-90-88	8	1,500	12,000	1,115	27	301
101-90-89	25	1,000	25,000	2,323	50	1,161
101-90-90	40	200	8,000	743	70	520
101-90-92	85	4,800	408,000	37,903	90	34,113
	85	1,200	102,000	9,476	35	332
	41	600	24,600	2,285	60	1,371
					TOTAL	36,801
101-90-96 Heckman Creek	25	2,640	66,000	6,131	45	2,759
101-90-97	LIMIT	ED SPAWNIN	G/REARING			
101-90-98	LIMIT	ED SPAWNIN	G/REARING			
101-90-99	LIMIT	ED SPAWNIN	G/REARING			
101-90-101	T.TMTT	ED SPAWI	NING/REAR	ING	TAL 101-90	221,427









Name: Dall Creek	Catalog No: 101-27-19
Latitude: 55 09 50 Longitude: 131 44 23	Former Stream No: K117B, Previous No. 116A
Geodetic Map No: Ketchiakn A-6	Work Area: Ketchikan
Location: North side Dall Bay, Gravina	Watershed Length: 2.3 miles
Island.	Drainage Area: 2.5 sq. miles
	Water Supply Type: Runoff, muskeg
Trails & Survey Routes: Streambed e	asily walked.
Aerial Survey Notes: Except for tida cove, lies in a narrow valley - not normal	1 portion, stream has fairly dense overhead ly surveyed by air.
Anchorage: Dall Bay, west of stream m	outh.
Tide Stage when Surveyed: High	
RESOUR	CES
COMMERCIAL FISHERIES (species, esca Pink, chum. Timing late (Sept-Oct).	
Spawning area: 3825 m ² (5280'x12'x65% ASA eddies but no coho fry or adults observed.	
Schooling Areas: Several pools in lo	wer stream.
Spawning Areas: Good gravel riffles	throughout surveyed portion.
SHELLFISH POTENTIAL: Crabs in Dall B	ay, clams on flats off mouth.
SPORT FISHERIES: None	
LAND USE (history, present, propose Metlakatla, observed signs of intensive su of 11-10-76.	ed): Fairly close to Ketchikan and rveys (tapes, blazes on trees) during survey
REHABILITATION POTENTIAL: None ne	eded.
SOILS: Appeared stable except for lan	d slides and gravel banks.
GAME RESOURCES (species, use, habiand tracks indicate bear usage. Deer tracks	

PEAK ESCAPEMENT RECORD

Dall Bay (Head creek) 101-27-19

101-27-1	9			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-8-64				2500 @ mouth. Vis. ex.
9-1-65				Visibility good.
8-26-68				3900 @ mouth. Vis. excellent.
9-9-69				
8-26-70				Visibility poor. 4 schools bet- ween Dall Bay & Seal Cove. 300 @ mouth.
8-21-72				1000 @ mouth. Vis. excellent.
8-26-73				75 pink @ mouth. Vis. excellent.
8-13-75				3500 @ mouth. Visibility good.
			- 20 -	

LOCATION: W. side Bostwick Inlet 4.4 miles 101-27-23

from head.

Larson, Jackinsky

11-10-76

LATITUDE: 55 12 22 Ketchikan A-6

LONGITUDE: 131 43 32

WATERSHED: Length 2.7 miles, area 1.1 sq. mile,

runoff, muskeg.

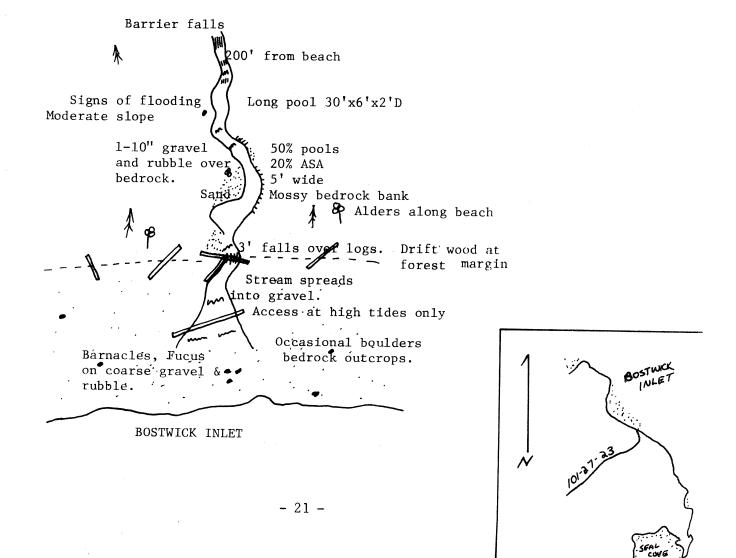
WEATHER: 50°, overcast, low tide

48°, pH 7.5, 2 cfs, rapid, light brown/clear 20 m^2 (200'x5'x20% ASA) STREAM:

SPAWNING: REARING: Little rearing possibility

SPECIES: Pink, chum (if any)

TREES: Hemlock/spruce, alder at high tide line

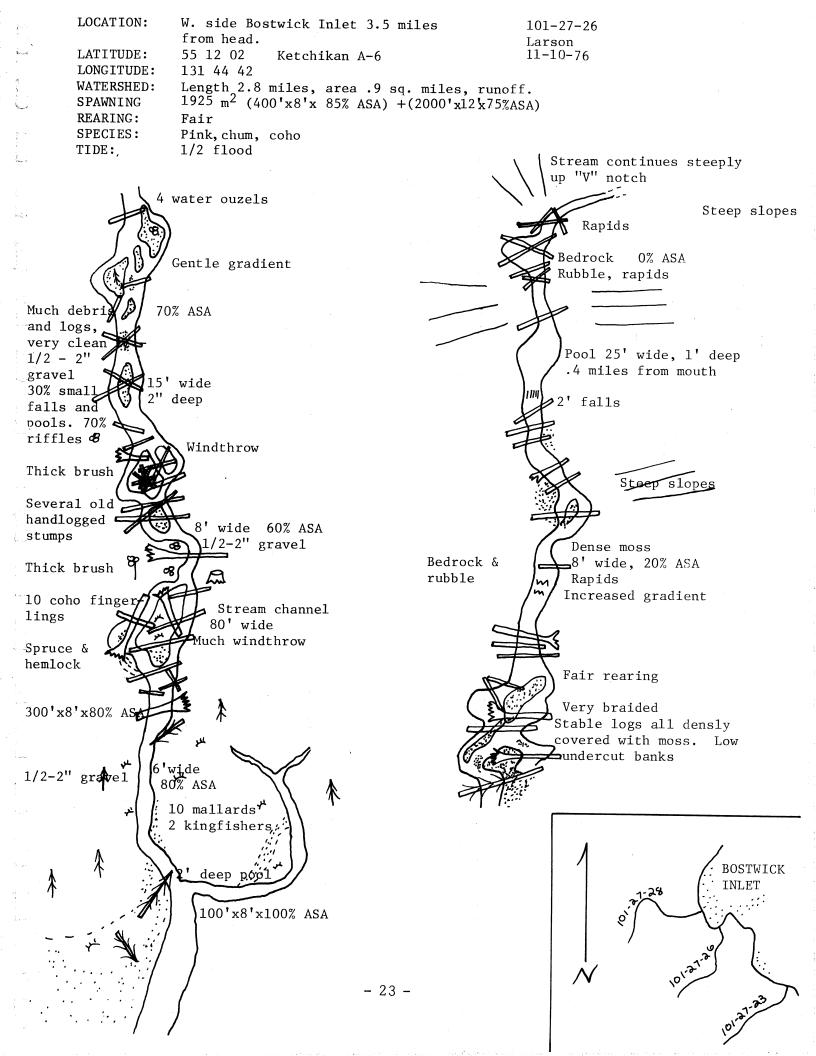




101-27-26. ITZ LOOKING UPSTREAM, 11-10-76.



101-27-26. MID STREAM, 11-10-76.



PEAK ESCAPEMENT RECORD

Bostwick (1st left) 101-27-26

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-26-71 8-21-73	6,500			3000 @ mouth. Few chums @ mouth. Vis. fair.
	·			
			- 24 -	

101-27-28 WEATHER: 47°, overcast Jackinsky STREAM: pH 7.5, 13 cfs, 43° F. 11-10-76 clear/colorless TREES: Hemlock, spruce SLOPE: Gentle except near stream banks which are often steep 6' barrier falls, more falls above. Bedrock gorge, Boulders, bedrock Steeper gradient. Round grave Clean coarse gravel fine to 4" Triß. Rounded gravel, fine Pools around to 4". logs. This section 60% ASA -10' wide barrier to most pink, Swampy springs chum. 10' Alder Jams. 200 coho fry cascade. Pools deep to 6' grove. in pools 200' section Bedrock out-: Nice riffle, with pair pools and rapids crop. of ripe coho on the redd. over bedrock 8' cascade 0% ASA - 5' wide 50% pools, very clean gravel. Narrow bedrock chute Overflow channel. ₹1-4" over bedrock Pool 5' deep Bedrock over-80% ASA - 40' wide Minor trib ran with shale Broad riffle Pool with ripe gravel 1-12" (roo∟ / coho female Fresh coho bones we Bedrock cascade 5' Bedrock banks on rock. Otter 2 ouzels Log jam .ASA 30%, 20' wide tracks. Gravel fine to 3" 80% ASA - 15'W 25% pools 10 pink bones Seagull working Falls 5' stream. on bank. Bedrock banks 30' Mossy bedrock cascade. 30 fish bones hum & pink on bank) Excellent section Clay bank No spawning in 300'x30'x75% ASA tidal portion. Bedrock and sand. with Fucus boulders. 10 geese, 7 mallards off mouth.

- 25 -

Name:	Catalog No: 101-27-28
Latitude: 55° 13' 04"	Former Stream No: none
Longitude: 131° 44' 48"	
Geodetic Map No: Ketchikan A-6	Work Area: Ketchikan Watershed Length: 2.5 miles
Location: Gravina Island, W. side Bost-	Watershed Length: 2.5 miles
wick Inlet 3.3 miles from head.	Drainage Area. 2 sq. miles
	Water Supply Type: Lake, pond, runoff
Trails & Survey Routes: Easily walker	d to barrier.
Aerial Survey Notes: Not aerial survey cove off mouth.	eyed, salmon may be counted from air in shallow
Anchorage: B9stwick Inlet out from sha	allow flats.
Tide Stage when Surveyed: 1/2 flood	
RESOUR	CES
COMMERCIAL FISHERIES (species, esca Pink, chum, coho. Timing late (Sept-Oct) Excellent rearing for coho above first car	. Spawning area: 3089 m ² (50%x3500'x19')
scattered small pools upstream.	ol below bedrock section of intertidal area,
SHELLFISH POTENTIAL: <u>Dungeness crab</u>	s, clams in Bostwick Inlet.
SPORT FISHERIES: Coho. Nominal.	
LAND USE (history, present, propose area by Ketchikan area residents.	ed): Frequently utilized as recreational
REHABILITATION POTENTIAL: None	
SOILS: Appeared stable.	
/ mallards	tat): Deer, bear, otter, 10 geese off mouth,

PEAK ESCAPEMENT RECORD

Bostwick (2nd left)

101-27-	28			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-5-69				1500 @ mouth, few I.T.
8-9-73				Estimate 400 pinks @ mouth. Vis. fair.
8-30-74				5000 @ mouth.
8-13-75				8000 @ mouth & I.T. Vis. good.
			- 27 -	

101-27-30 Jackinsky 11-10-76

LOCATION:

W. side Bostwick Inlet (Gravina Island) 1.6 miles from head.

LATITUDE:

55 14 13

LONGITUDE:

131 45 10

WATERSHED:

Length 3.1 miles, area 2.1 sq. miles, runoff

WEATHER:

Low tide, overcast, calm, 50°F. at time of survey

STREAM:

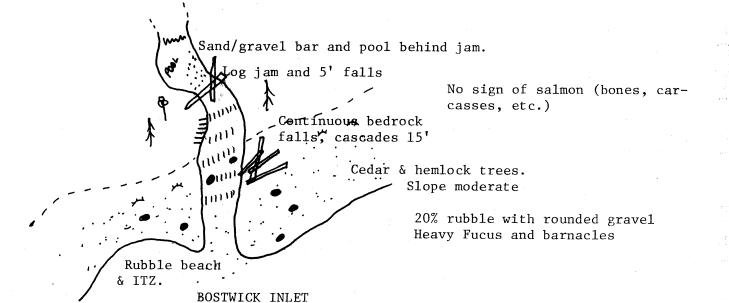
8 cfs, pH 7.5, 43°F., clear/colorless

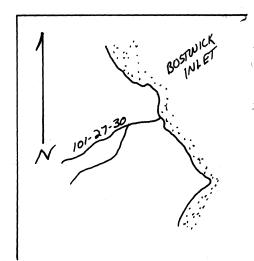
SPAWNING:

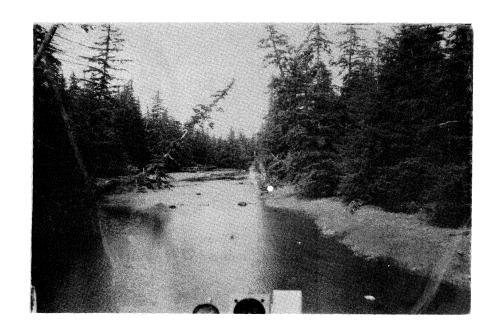
Very limited spawning and rearing. Possibly does not produce

REARING:

fish every year.







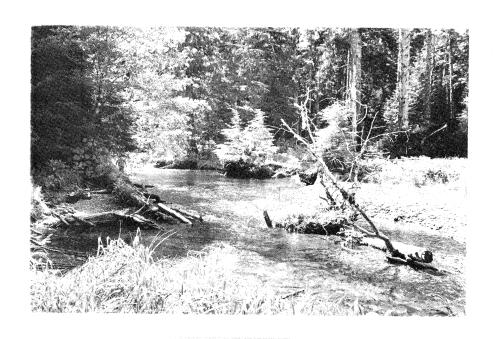
BOSTWICK, Station #1



BOSTWICK, Station #1

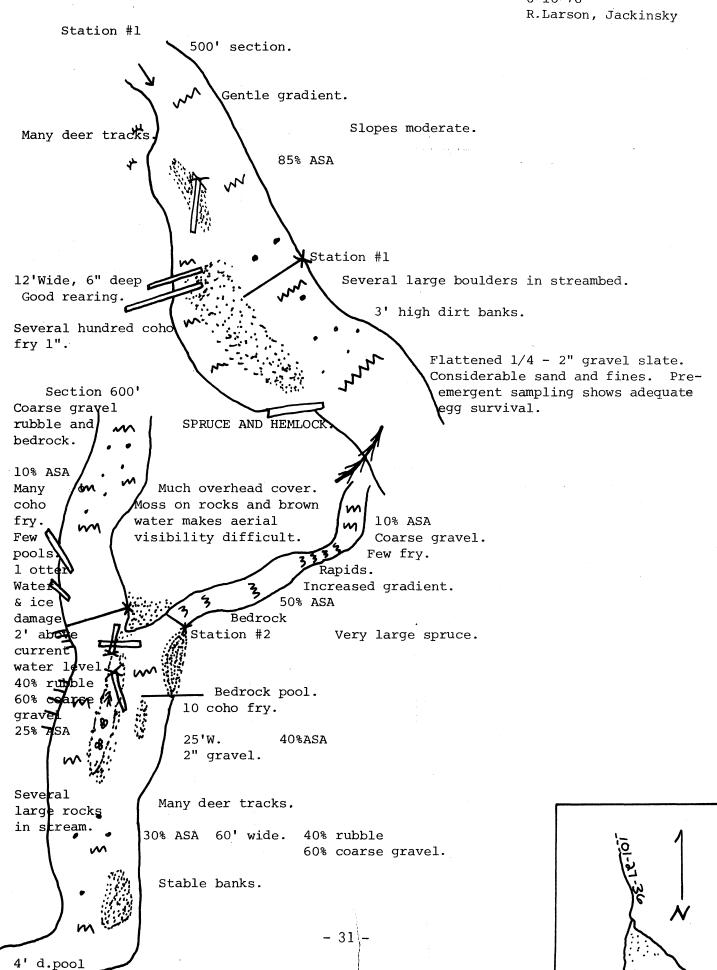


BOSTWICK, Station #3

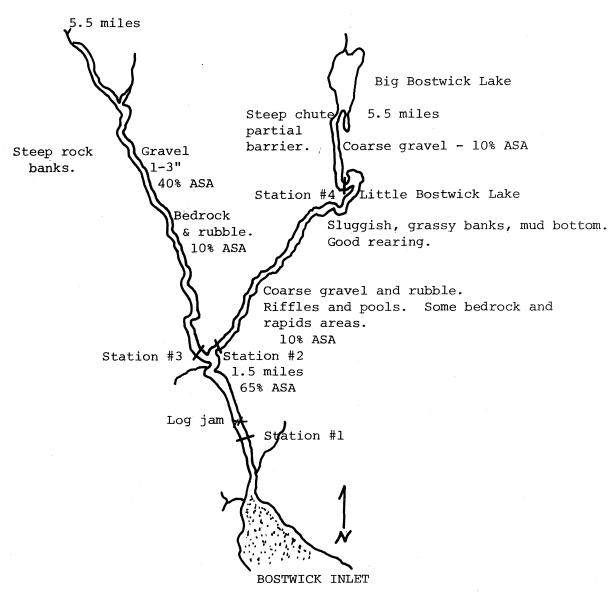


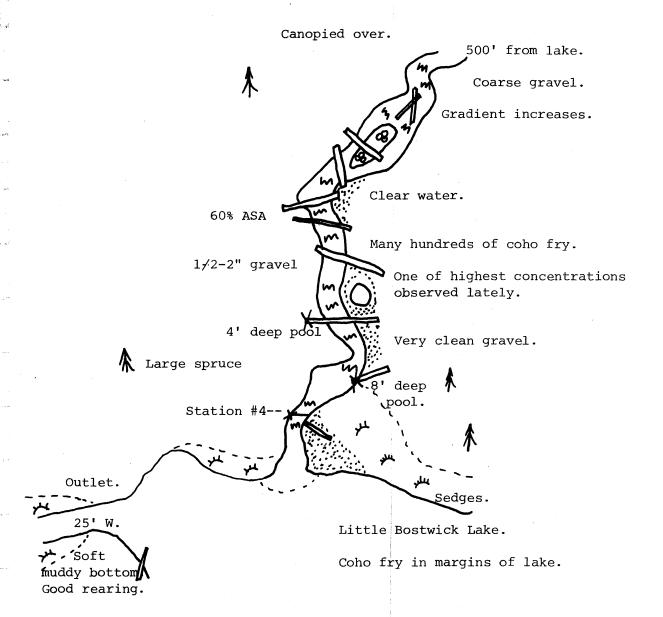
BOSTWICK, Station #4
(Inlet lower Bostwick Lake)

BOSTWICK



Steep bedrock bank.





Name: Bostwic	k	Catalog No.:	101-27-36	
Latitude: 5	5 15' 53"	WR No.: 116	er er der interferende state in der entwerkelige in Petersbereide in der einem eine state der der einstelle de 	The second secon
Longitude: 14	k 5 15' 53" 1 46' 05"	K No.: K114		
Geodetic Map No.	: Ketchikan B-6	Work Area; Ke	tchikan	
Location: Hd. B	ostwick Inlet, N.E.	Watershed Leng	th: 7 miles	
ributaries.			16 sq. miles	
Water Supply Typ	e: Runoff, small lake	s and ponds.		
Trails & Survey	Routes: Streambed e	asily walked, west	bank handy when wa	ater high.
water.	otes: Lower area and			
Anchorage: Mi	ddle of inlet, one mile	from head.		
Tide Stage when	Surveyed: 1/2			
FISHERY RESOURCE	ES			
	sheries: Pink, some	chum, coho sockey	e.	
7	9-26-56: 11,500 pink, 5	00 ahum 500 acho	in first 2 miles 6	Snawning area
fork: 5574 m ²	20,900 m ² (7500'x60'x50 (20000'x30'x10% ASA).	Total enaming an	10 m 120000 x20 x1	LU%), LEIT
Species Compo	sition: Pink, chum, co	ho, sockeve, trout	ea: 30,190 II	
Timing: Lat		ayan ayan ayan ayan ayan ayan ayan ayan		An angerment men to a sportung consequencia and a company conservation
Schooling Are	as: Holes and pools in	first 1/2 mile of	stream.	
	The allow to small		main flata at hand	3 - E 1
Shellfish Pot	ential: Excellent crab	and clams on exte	nsive flats at head	or bay.
Sport Fisheri of both.	es: Cutthroat excelle	nt, some Dolly Var	den, good sea run p	population
	resent: Very popular	hunting, fishing,	recreational area f	for pe o ple
of Ketchikan.			ende er ermaner og er	The state of the s
History of La	nd Use: <u>Has been a hi</u>	storic recreations	l area.	The Antonographic for transporting and deliberation of the support
Rehabilitatio	n Potential: None	needed.		
Soils: Ge	nerally stable, conside	rable amount of be	drock in some secti	ions,
	and the second s	er e		
GAME RESOURCES				
Bear	Fish carcasses or bone Number of droppings	es (old or fresh)	on banks, estimate	
Geese	Number seen on tide fl	lats		
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide fl	lats		
	Number seen up creek			
	Number of broods seen			
Mergansers -	Number of broods seen			
Bald Eagles-	Number seen along cree	ek	,	
	Number of nests seen	and location		
Seals	Number seen at mouth			
Tide flats -	Estimate length along			terrogic is disamplation as used the History gain sequence, receive
	Estimate depth out from			Normal and the second
	Eel grass present on v	what percent of fl	ats	

Observers: R.Larson, Jackinsky Fair, high scatterd 99 Temperature: Weather: ___e: CTREAM TNVENTORY FORM Bostwick Creek Number: 101-27-36 Name: 25'W 100/1 7.5 1/1 4 16 Н 4 $^{\circ}$ 59 2 55'W .8'D 1/2 7.5 30/1 2/1 N 2 4 35 54 2 21'W 3/2 4-5 7.5 2/1 $^{\circ}$ 2 $^{\circ}$ 20 56 0 \sim 72'W 7.5 2/1 50/1 ~ 4 \sim 9 58 \sim Color/Turbidity Pool Size/Type Fry Abundance 1 Flow (C.F.S.) Higher Plant Class Bottom Type (Riffle) Riffle Type Width-Depth Pool Riffle ' Temp. (°F.) Station No. Sample No. Frequency Velocity Benthos Hd

#1 - upstream of ITZ,
#2 - E. fork above forks,
#3 - W. fork. General Remarks (rehab., land use, barriers, log jams, etc.):

1-2

1-2

 \sim

(1) Mosses (2) Algae

Aquatic Veg. Density Ident.

 $^{\circ}$

#4 - Inlet lower Bostwick Lake.

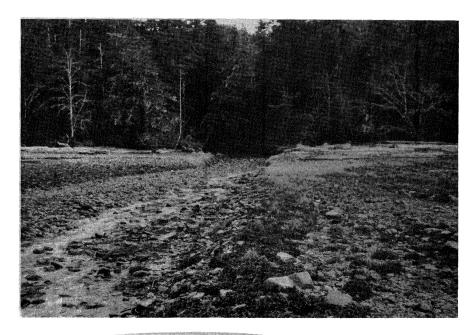
PEAK ESCAPEMENT RECORD

Bostwick Creek 101-27-36

101-27-3	6		to be a second to be a second of the second	+
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-25-36				Fair seeding.
9-3-38		100		
9-28-47	5,000	500	50 coho, 1 red	1000 pinks dead.
10-6-49	2,404	24		
9-28-54				4000 fish.
9-26-56	11,500	500	500 coho	9000 pink @ mouth.
8-25-60	100			Schooled.
9-9-61	3,000	3		
9-14-62	15,000	400		
9-8-64	6,500			Vis. poor, mostly in lower 1.5 m.
8-17-65	:	3,000		300 @ mouth, 100 I.T. Vis. ex. in stream, good off mouth.
9-12-66	7,000			Vis. poor upstream. 2000 @ I.T.
9-11-67	570	100		Probably 4-5000 fish present. Vis. fair. Fish well up stream.
8-26-68				1500 I.T. 10,000+ @ mouth. Vis poor.
9-9-69	5,700			600 I.T. Activity scattered all along creek. Rough flying.
9-9-70	1,000			500 on study area. Vis. poor.
8-26-71	6,000			
8-30-72	5,500			4 small schools @ mouth - 800. Visibility poor.
8-9-73	600			400 pinks @ mouth. Vis. fair.
8-30-74				4000 @ mouth, 500 I.T. Vis. goo
8-11-75	3,000			Vis. fair to good.
			•	
			- 36 -	



101-27-40. ITZ, 11-10-76.



101-27-40. ITZ, 11-10-76.

E. side Bostwick Inlet, 1 mile LOCATION: 101-27-40 from head Larson LATITUDE: 55 15 06 Ketchikan B-6 11-10-76 LONGITUDE: 131 44 38 WATERSHED: Length 1.5 miles, area 1 sq. mile, TIDE: 1/3 SPECIES: Pink & chum air-50°F, water, 45°F. TEMP: FLOW: est. 5 cfs SPAWNING: 234 m^2 (900'x8'x35% ASA) 10' wide Gravel & rubble 20% ASA Approx. 1000' Increased gradient, rubble rapids Poo1 35% ASA 20' cutbank 6' high rock and log barrier gravel & clay Poo1 ≨4' wide Stable banks Stream channel approx. 100' wide. Rapids, Most of small falls and debris Rapids channel rounded gravel to 10". dry nows 1 1/2' deep pool Spruce & hemlock High tide Rapids 10' wide 50% ASA Clean, rounded 1-8" gravel ('greenstone". Sparse algae - 38 -

101-27-50

Larson, Jackinsky

7-8-76

LOCATION: Gravina Island, Blank Inlet, W.side

LATITUDE: 55° 16' 22" LONGITUDE: 131° 41' 14"

TIDE: Out at time of survey

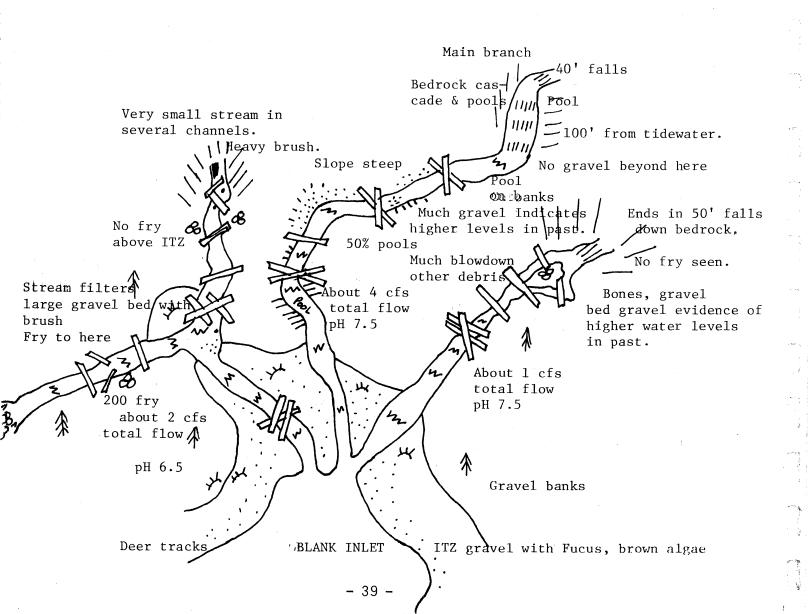
SLOPE: Moderate

TREES: Hemlock, spruce, cedar

WEATHER: Overcast, 57°F

SPAWNING: Very limited, approximately 100 m² REARING: Some available, fry observation left

hand stream, mostly in intertidal portion.



LOCATION:

W. shore Blank Inlet 2 miles south of head (Gravina Island)

LATITUDE:

55 16 56

LONGITUDE:

131 41 14

WATERSHED:

length 1.5 miles, area 1.5 sq. miles, runoff, muskeg

STABILITY:

Stream looks as though it is subject to scouring.

FLOW:

12 cfs (estimate)

SLOPE:

Steep rock cliffs adjacent to stream

TREES:

Large spruce, hemlock, cedar

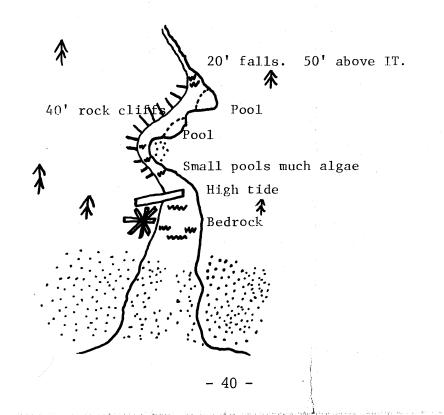
SPAWNING:

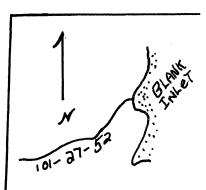
Approx. 30 m². Restricted to small patches of gravel in bedrock

ponds and lower intertidal area.

REARING.

Very limited rearing area.





101-27-56

W. shore of Blank Inlet 1 mile south LOCATION:

of head (Gravina Island)

R.Larson 7-8-76

LATITUDE:

55° 17' 49"

LONGITUDE:

131° 41' 21"

WATERSHED:

Length 1 mile, area 2 sq. miles,

source - runoff, muskeg, ponds.

AIR TEMP:

56° 51°

WATER TEMP: FLOW

8 cfs

рΗ

7.5

SPAWNING/

 $220 \text{ m}^2 \text{ (600'} \times 20' \times 20\% \text{ ASA)}$

REARING:

Poor rearing potential.

Continues 200' to 20' falls, bedrock rapids, and small pools; no utilization possible.

Bedrock

Steep slopes

7' chute, probably a barrier

600'

Rapids

60% rubble

10% ASA

falls

Stream width 21'

Gradient increases, little good rearing

Coarse gravel

All rocks have algae

20% ASA

Gentle slopes

large 2"-12" well rounded gravel.

CEDAR,

HEMLOCK

AND ALDERS

Coarse gravel and rubble

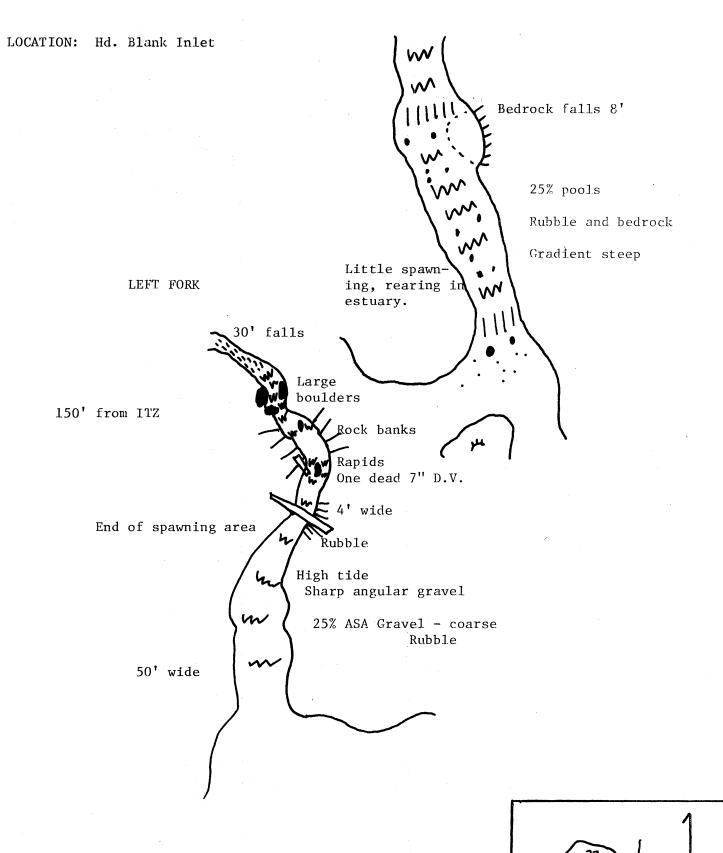
Much algae.

30 wide

Blank Inlet

- 41 -

RIGHT FORK

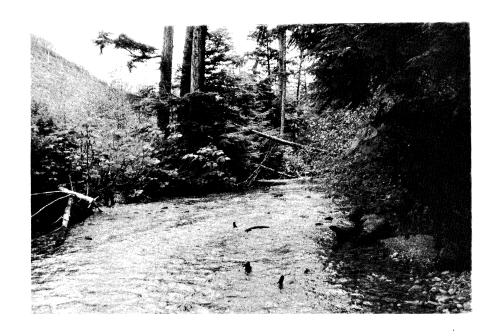


Name: Blank Creek Latitude: 55 18 43	Catalog No: 101-27-61 Former Stream No: K114A, Previous no. 115
Longitude: 131 41 36 Geodetic Map No: Ketchikan B-6 Location: Hd. Blank Inlet, including all tributaries.	Work Area: Ketchikan Watershed Length: 2 miles Drainage Area: 3 sq. miles Water Supply Type: Runoff, small lakes, ponds.
Trails & Survey Routes: Easily walke	ed for length accessible.
Aerial Survey Notes: Intertidal ea	sily observed, shallow water and light color-
Anchorage: Blank Inlet head.	
RESOU	RCES
COMMERCIAL FISHERIES (species, esc Pink. Timing - September. Spawning area: 395 m ² (100'x50'x25%)	
Schooling Areas:	
Spawning Areas:	
	flats
SPORT FISHERIES: 1 6" Dolly Varden	noted, cutthorat trout in lakes.
LAND USE (history, present, propos	ed):None
REHABILITATION POTENTIAL: Unknow	n
SOILS: Stable, bedrock substrate	
GAME RESOURCES (species, use, habi	tat): Bear scats, 1 bald eagle noted.
Appendix to the second of the	

PEAK ESCAPEMENT RECORD

Blank Creek

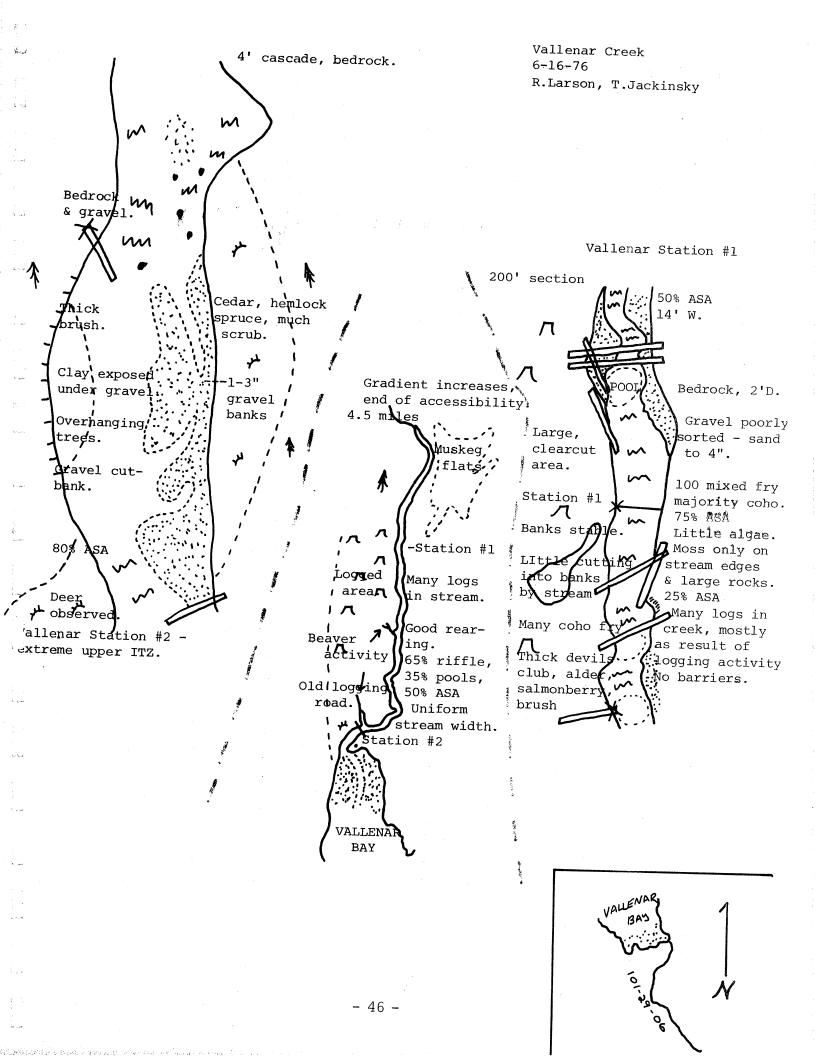
101-27-61				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
		 White and With Presidential and president deliberation and the second and the secon		
9-15-62	140			90 @ mouth.
9-8-64				Vis. good. Stream low.
3-26-70				Visibility poor.
		•		
		,		
		:		
		e e e e e e e e e e e e e e e e e e e		
• •				
1			- 44 -	



Vallner, Station #1, looking upstream.



Vallner, Station #2



Name: Vallena	r Creek	Catalog No.: 101-29-06	
Latitude:	r Creek 55 22' 36"	WR No.: 117	mineral specimens and the application of the second of the
Longitude:	131 49' 43"	K No.: K116	
Geodetic Map No	.: Ketchikan B-6	work Area; Ketchikan	
Location: Hd. V	allenar Bay, including	Watershed Length: 3.5 miles	
all tributaries	•	Drainage Area: 8 sq. miles	
Water Supply Ty	pe: Runoff, muskeg.		
Trails & Survey	Routes: Some trails al	ong creeks, brush less dense close t	o hanka
Old logging roa	d along top of slope on e	ast side	
Aerial Survey N	otes: Easily surveyed in	ntertidally, considerable overhead co	wer in
midsection of t	he stream.		
Anchorage: Eas	t side of bay about one m	nile from head in six fathoms.	
	Surveyed: 1/2		
· ·	2, 2		
FISHERY RESOURC			
Commercial Fi	sheries: Pink with c	hum and coho.	
Escapement: 1	0-8-50: 15,000 pink, 500	chum, 1 coho; 9-24-52: 0 pink, 250 c	thum. O othe
Snawning area	• 27 870 m² (20 0001 v301 v	FOR ACA)	
Species Compo	sition: Primarily pink,	with chum, coho, trout.	
Timing: Late			
		per ITZ, scattered logs upstream,	***************************************
20110011119 1110	Dialion pools in up	per 112, scattered 104s upstream.	
Shellfish Pot	ential: Crabs and clam	s on large flats.	
Sport Fisheri	es: Good sea run populat	ions of cutthroat and Dolly Varden.	
Land Use at P	resent: Recreational h	unting and fishing.	The state of the same and the s
History of La	nd Use: Large clearcu	t logging operation ceased operation	in 1960.
Rehabilitatio	n Potential: None need	ed.	West Productions of Control of the State of
Renabilitatio	il Tottle La		The Printer Commission of the Section of the Sectio
Soils: Gene	rally stable.		
CAME DECOMPORE			
GAME RESOURCES Bear	Fish carcaceon or honos	(old or fresh) on banks, estimate	
Dear	Number of droppings	(Old Of flesh) On Danks, estimate	
Geese	Number seen on tide fla	ts	
deese	Number seen up creek		
	Number of broods seen		through individual for the control of the second se
Mallards	Number seen on tide fla	ts	
	Number seen up creek		
	Number of broods seen		
Mergansers -	Number of broods seen		
Bald Eagles-	Number seen along creek		
	Number of nests seen and		
Seals	Number seen at mouth		
Tide flats -	Estimate length along b	each	
	Estimate depth out from	beach	
	Eel grass present on wh	at percent of flats	

	0			:			ĕ								
	- 8 - 2 - 4		, 44		STIK	STREAM THVENTORY FORM	EINTORY	FORM			obsc Date	UDSCIVETS: <u>Larson Jackinsky</u> Date: 6-16-76	Larson 16-76	Jackir	osky
					Nam	Name: Vallenar	llenar	- Annah and a second			Temp	Temperature:	. 61		
				,	Num	Number: 101-29-06	01-29-0	9,			Weat	her:	Fair		
Station No.	Н	2													
Pool Size/Type	3/3	3/3 1/3													
Riffle Type Width-Depth	30'W 44'W	44'W .7'D								The Property of the Paragraphy					
Pool Riffle Frequency	2	m							and Colonial and C			·			
Bottom lype (Riffle)	4	4				,							٠		
	-	-	The second livery with	1									_	-	_

_									
-								-	
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				and the second s					
_									educing to developing the second
				The state of the s			;		and for a Change of the Change
_									
						,			
-									
לי	2/1	2	26	52	7.5	20/1		Н	1/2
ť	1/1	2	14	46	7.0	6/1		2	2

Near end of accessible portion upstream. Just above tidal portion. General Remarks (rehab., land use, barriers, log jams, etc.): Station #1:

2/1

2-1

(1) Mosses (2) Algae

Fry Abundance

3

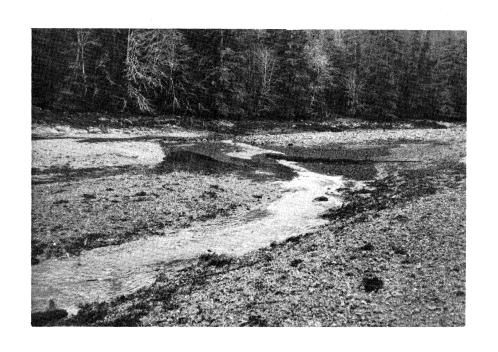
Benthos Sample No. Higher Plant Class Aquatic Veg. Density Ident.

Color/Turbidity

Velocity

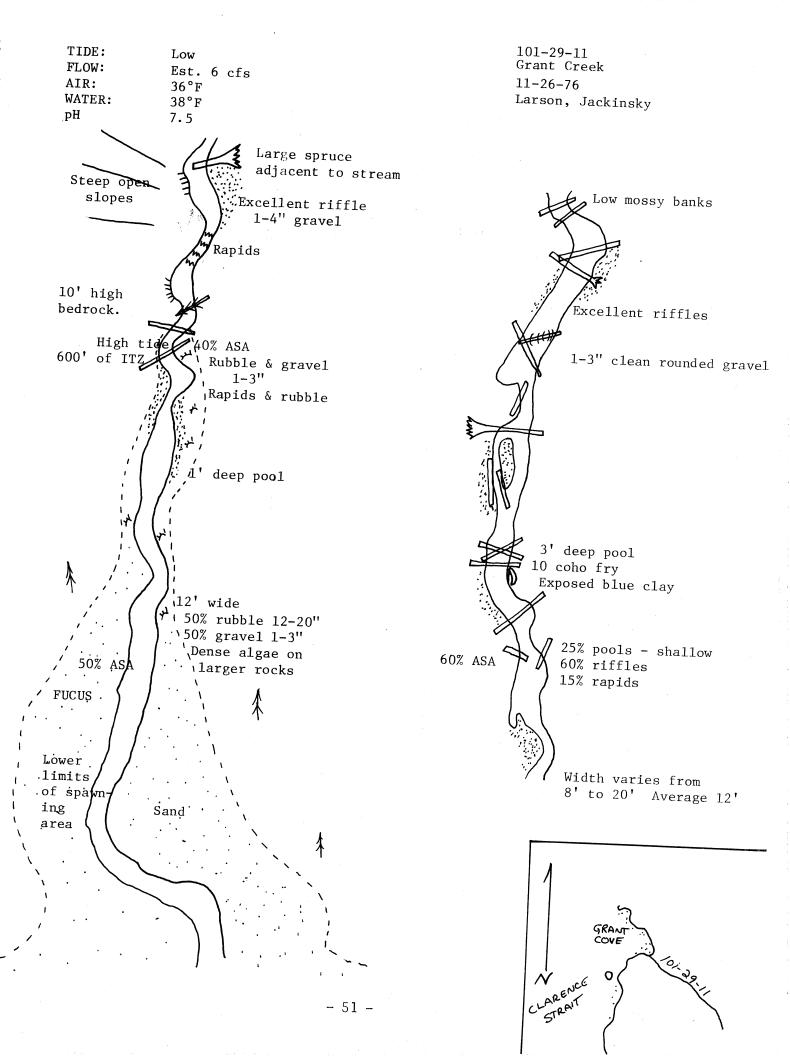
Vallenar Creek 101-29-06

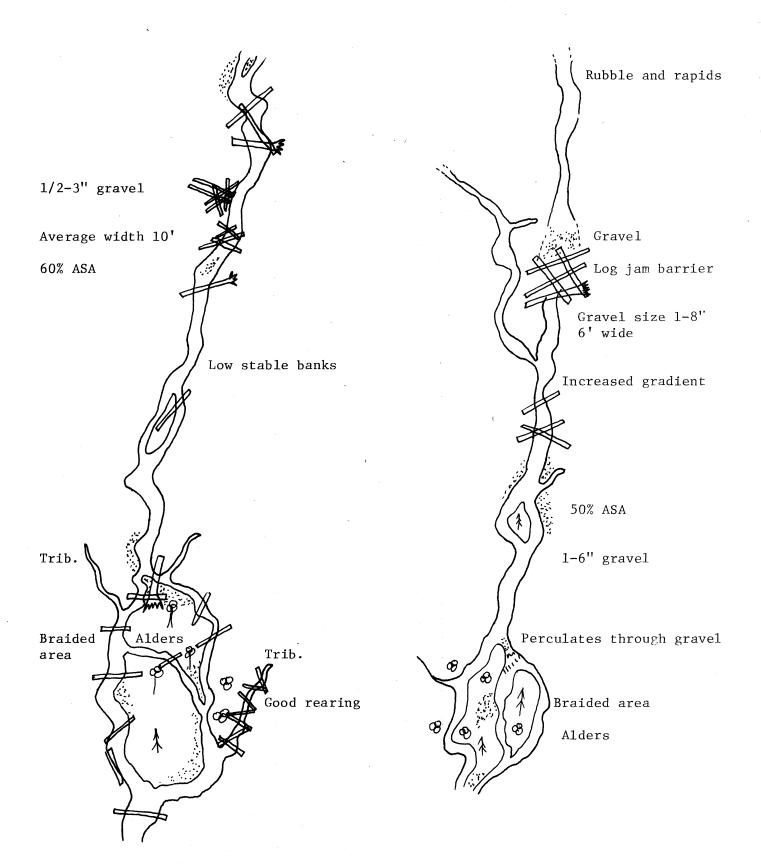
	101-29-06				
	DATE	PINK	CHUM	OTHER SPECIES	REMARKS
1	9-17-40	10,000	2,000		10,000 @ mouth.
	10-5-41	15,000			
	10-8-47	15,000	500	1 coho.	
	9-24-50	1,674	46	7 coho	
	9-21-52		250		
	10-9-53	370	360	15 coho	180 dead chums.
	9-25-54	3,000	1,000		
	8-25-60				None observed.
	9-12-61	290	40		300 @ mouth. No dead, all fresh.
	9-8-64				Stream low. 200 I.T. 20,000 @ mouth.
	9-13-65				Few dead pinks. 1000 @ mouth.
	9-7-66				6-7000 @ mouth.
	9-11-67	300	130		150 @ mouth. Fair to good vis. More fish present.
	8-26-68				9 balls, 16,000+ at mouth. Good to fair visiblity.
	9-9-69	1,000			400 @ mouth. Poor count, flying rought.
	8-13-70				3-4000 @ mouth & I.T. Vis. fair
	8-26-71				2000 @ mouth, 2000 @ I.T.
	8-29-72		*		Vis. good. 5 schools in bay - estimate 4000.
	8-12-73	20			250 pinks @ mouth. Vis. ex.
	8-28-74				1800 @ mouth & I.T.
	8-12-75	Present			8-10,000 at mouth.
				- 49 -	
	_				44



GRANT CREEK, 101-29-11, 11-27-76







Name:	Catalog No: 101-29-11 Former Stream No: K116A, Previous No. 116D
Latitude: 55 21 06 Longitude: 131 51 10	
Geodetic Map No: Ketchikan B-6	Work Λrea: Ketchikan
Location: Head of Grant Cove Gravina Island.	Watershed Length: 1.3 miles Drainage Area: 2 sq. miles
Islanu.	Water Supply Type: Runoff
Trails & Survey Routes: Streambed	easily walked.
Aerial Survey Notes: Too small and	with too much overstory for effective aerial
sruvey, intertidal and mouth counts only.	
Anchorage: Grant Cove	
Tide Stage when Surveyed: <u>low</u>	
RESOU	RCES
COMMERCIAL FISHERIES (species, esc	apement, timing, spawning area):
	area 3100 m ² (600'x12'x50% ASA)ITZ+
(4500 XII X60% ASA). Moderately good rea	ring available along accessible length.
Schooling Areas: Small shallow pool	s in lower portion of stream,
Spawning Areas: Suitable riffles i section.	n ITZ and throughout accessible upstream
SHELLFISH POTENTIAL: Numerous clamrocks.	s on flats. Littlenecks, geoducks, abolone on
SPORT FISHERIES: Nominal	
LAND USE (history, present, propos Ketchikan). Within Tongass National Fore	sed): Utilized as a recreational area (near st. Old fish trap site.
REHABILITATION POTENTIAL: None	
SOILS: Appeared stable.	
bones scattered on banks and in woods adj	itat): <u>Deer, bear, beaver signs.</u> Many fish acent to creek. Heavily utilized crow and raven

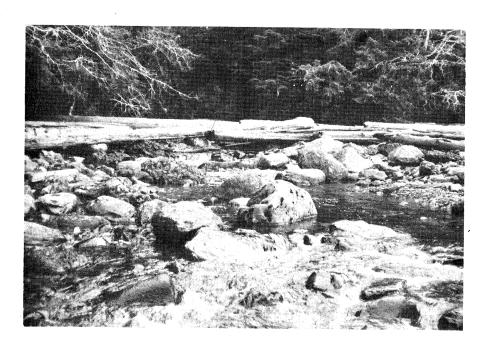
έπ

11-11-76 LOCATION: 2 miles south of Grant Creek, Gravina Island. LATITUDE: 55 19 43 Ketchikan B-6 LONGITUDE: 131 51 25 Gradient increases TIDE: 3/4 Much debris FLOW: 4 cfs No spawning or rearing 1/3 volume 1000' from ITZ 60% ASA 2/3 volum 10' wide and falls Little spawning, good rearing in lower section. 1' falls 1-8" gravel Bedrock rapids Undercut Bedrock with gravel bars banks 8' wide 20% ASA 1' deep pool WATERSHED: length 1.2 miles, area 1 sq. mile, muskeg, runoff Debris jam SPAWNING Spawning area: 371 m² 2' drop (1000'x8'x50% ASA)Not includ-0% ASA lower ITZ. Bedrock rapids REARING: Rearing potential limited due to size of stream. 70% ASA 1/2-2" grave1 8' wide Alders 1-6" rounded gravel slippery rocks 50% ASA Spruce/hemlock Sand bank - 54 -

101-29-17 Larson

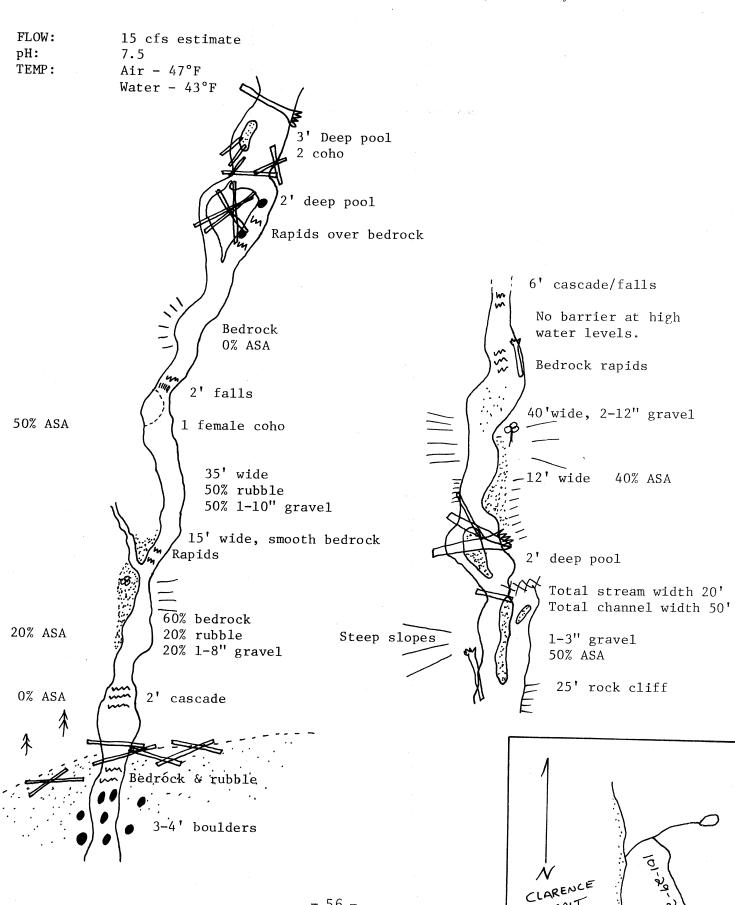


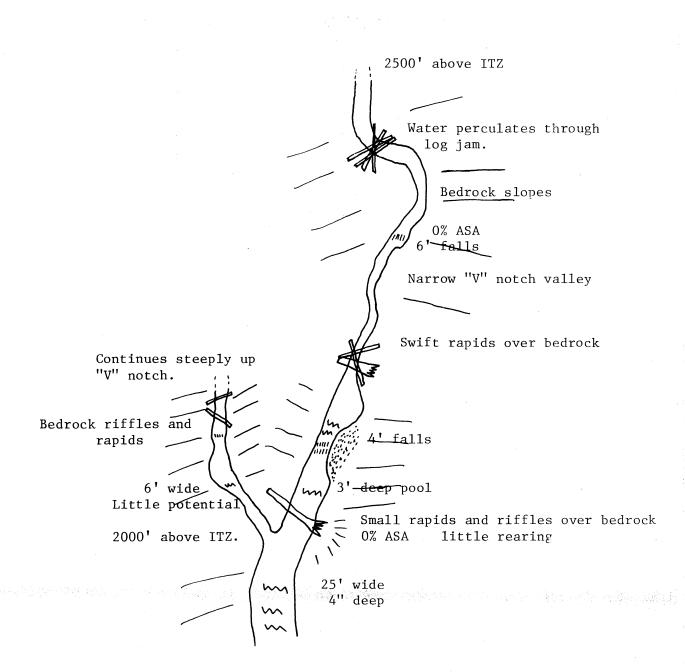
101-29-29. BARRIER, R. FORK, 11-11-76.



101-29-29. ITZ, 11-11-76.

101-29-29 11-11-76 Larson, Jackinsky





Name:	Catalog No: 101- 29-29
Latitude: 55 15 06	Former Stream No: 116C, K117
Longitude: 131 50 14	
Geodetic Map No: Ketchikan A-6,B-6 Location: Gravina Island, 3.5 miles No.	Work Area: Ketchikan
Nelson Cove	Watershed Length: 3.6 miles
NCISOII GOVE	Drainage Area: 4.1 sq. miles Water Supply Type: Lakes, runoff, muskeg
:	
Trails & Survey Routes: <u>No trails</u> ,	stream easily walked.
Aerial Survey Notes: Mouth counts or	ıly.
Anchorage: Nelson Cove or Grant Creek	
Tide Stage when Surveyed: 1/2	
RESOUR	CES
COMMERCIAL FISHERIES (species, esca Pink, chum. 10-7-47: 2200 live, 100 ch Spawning area: 929 m ² (1000'x20'x50% A	num.
Little potential for coho due to lake of	large amounts of suitable rearing area.
Timing - September.	
Schooling Areas: Pools between rapids	in first 1/2 mile.
Spawning Areas:	
SHELLFISH POTENTIAL: None	
SPORT FISHERIES: None	
LAND USE (history, present, propose	ed): None. No signs of past activity.
REHABILITATION POTENTIAL: None ne	eded
SOILS: Majority of stream bedrock sev	eral gravel banks and slides.
GAME RESOURCES (species, use, habit	
The state of the s	

101-29-35 3800' to ITZ 2' falls Larson, Jackinsky Logs in 11-11-76 stream ASA 20% - 8' wide Muddy bottom Stream small 3' wide - 2" deep Bedrock bottom End of usable area for short distance 2' high bank ASA 50% - 10'wide Dead eggs 50% pools 1-2"gravel Deer tracks ' wide WEATHER: Overcast, Swift water, undercut banks 49°F. SLOPES: Gentle to Kib. 60% ASA - 7' wide moderate Slow riffle Sand to 2" gravel Seagull remains Shallow pools to sides on log Red flagging on bushes Many fish bones on bank Blue clay outcrop : Gravel 1-8" · Fine substrate 50% ASA - 8' wide 8 Banks mossy, overhanging 50% pools, mossy banks ASA 50% - 8' wide Dippers in creek ASA 30% - 8' wide ASA 50% 10' wide 50% pools Seagull remains Stream very small Small gravel 1" Mossy banks 395 fish bones on bank of creek (about 90% pink) Bird feathers, remains ASA 65% - 10' wide Red flagging on bushes Red flagging on Banks silty mossy, overhanging brush 20% rubble Tree roots in creek 50% ASA -30' wide Bedrock = About 4 cfs Very mossy pH 7.5, 44°F. Light brown/clear ASA 30% - 8' wide Logging debris Blue clay PBedrock ank - red Boat moored in flagging channel (hunters) Small on brush. Dirt & sil ue Second growth bank Lay & timber banks Spruce/hemlock Aspen along · . shore .itz (200'x10'x70%) Bedrock 4 59 _

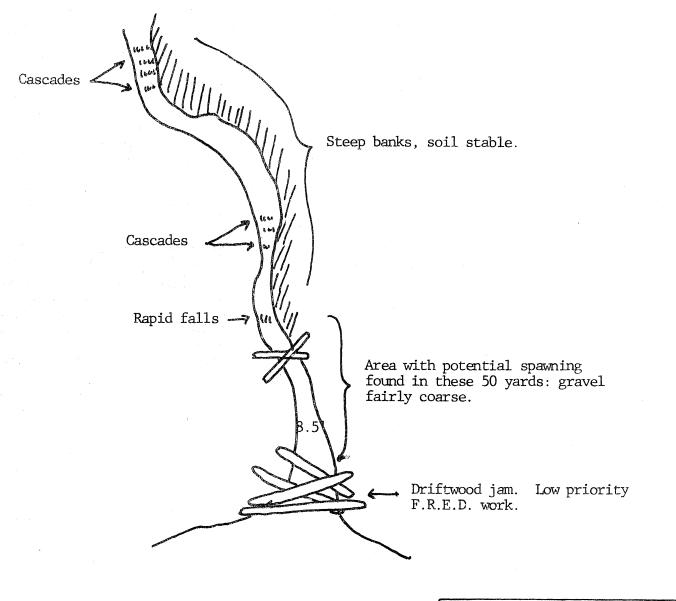
Name: Nelson Cove Creek Latitude: 55 12 08	Catalog No: 101-29-35 Former Stream No: K 117A, Previous No 116B
Longitude: 131 49 17 Geodetic Map No: Ketchikan A-6	
Location: Gravina Island, Clarence	Work Area: <u>Ketchikan</u> Watershed Length: 2 miles
Strait, head Nelson Cove	Diginate Alca. Log mile
	Water Supply Type: Runoff
Trails & Survey Routes: Streambed e	easily walked, game trails along banks
Aerial Survey Notes: Small stream, Not normally surveyed by air, mouth and i	heavily timbered area with much overhead covernteridal counts only.
Anchorage: A fair anchorage off drop	off in Nelson Cove.
Tide Stage when Surveyed: 10w	
RESOU	RCES
cellent rearing for coho in pools and alo coho 10-7-47. Spawning area: 1858 m ² (4000'x10'x50%)	.No coho fry or adults observed 11-11-76. Ex- ong stream margins, 5000 pink, 500 chum, 2
	tream offer limited areas.
Spawning Areas: Gravel riffles in u lower stream area.	pper intertidal area and scattered throughout
SHELLFISH POTENTIAL: Many clam she	11s noted. No crab observed.
SPORT FISHERIES: None	
LAND USE (history, present, propos near enough to Kethcikan to be included w logged in the past.	ed): Within Tongass National Forest, ithin "popular" recreational area. Area
REHABILITATION POTENTIAL: None	
SOILS: Stable throughout.	
GAME RESOURCES (species, use, habiand numerous salmon remains on banks. Defindicate mink or martin activity as well.	er tracks, seagull remains along creek may

4' falls - continual cascades More bedrock showing in stream bed in this area. Timber quality improves slightly here; below this point 🗲 Station #4 it is quite poor: hemlock, spruce, cedar, in equal amounts. Cascades Downslope movement here; would occur if these \leftarrow Station #3 - the few pools present are in this steep banks were area; small (10'x10'). logged. The combination Cascades of gravel coarseness and water velocity leads _Station #2 me to believe this stream is one of Logs, no barrier virtually no value for anadro-Small cascades mous fish reproduction. ← Narrows: banks steeken severly. Steep banks and swift water = hard walking Station #1 Portion surveyed. Rocky I.T.: coarse grav 1 - 61 -

Name		Catalog No. 101-	41-05
Latitude N 5	5° 16' 55"	WR No.	
Longitude <u>w 13</u>	1° 27' 4"	1. 1VO.	
Geodetic Map	No. <u>Ketchikan - B-5</u>	Work Area Ketchika	n
Location No. o	f N.W. tip of Bold Is.	Watershed Length	2-1/2 miles
	of Watershed		
Water Supply	Type Lakes, muskeg, an	d runoff	
Trails & Surv	ey Routes Walk along	stream banks. Walking	difficult due to brush
and steepne	ss; many large boulders.	Jerodin Danies, Nariying	difficult due to blush
	Notes Very steep bank	s - timber tall above S	tation #4.
Anchorage	Good anchorage off stream	mouth in the cove.	
Tide Stage Wh	en Surveyed <u>lst half</u>	of ebb.	
FISHERY RESOU	IRCES		
Commercial	Fisheries None observ	ed - potential for coho	or chum very limited
to margins	Fisheries None observor friffles. Gravel very	large.	The second section is a second
Escapement			margins of I.T. area.
9-19-73, 7	dead, 8 live pink just a	bove high tide line. Spa	awning area: 200 m ² (est.)
Species Com	position None observ	ed.	
			,
Timing Un			
Schooling a	reas A few 10x10 pools	found above station #3	
Challeich I	otontiol Posts intent	4-1 1 1	
Suellisu t	otential Rocky interti	dai, no mud or eel grass	S .
Sport Fisher	ries One minnow trap	set for 1 hour with no	oatab
bport rabine	one miniow crap	set for I hour with ho	caten.
Land Use at	Present None		
History of	Land Use none		
D -1 -1 -1 1 1 4 - 4	D-66-7		
Renabilitat	ion Potential Few 1	ogs, low spawning poten	tial.
Soils Most	ly stable, some downslope	movement by station 3	Ranka atoon fro
200 yards at	ove high tide line.	movement by station 5.	banks steep 110-
			territoria en anticontrata con altar la constitución de consti
GAME RESOURCES			f .
Bear	Fish carcasses or bones	(cld or fresh) on bank	s, estimate o
	Number of droppings	()	0
Geese	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
	Number of broods seen		0
Bald Eagles—	Number seen along creek		0
Caala	Number of nests seen an		0
	Number seen at mouth of		0
Tide Ilaus -	Estimate length along b		0
	Estimate depth out from		0
	Eel grass present on wh	ST bercent of flate	

Ford																	
Dimeford																	
Downey, +-73	ful							÷									
s: 5-1/ ure	Sumy											··					
Observers: 1 Date: 5-14 Temperature:	Weather:				•												
Ob Da	We																
·	.																
,							•						·				
FORM	5																
VIORY	101-31-05																etc.):
STREAM INVENTORY FORM																	jams, et
STREAN Name:	Number:																log ja
													ļ				
		- 7	3/1	20'W 1'D	m	7	H	7		41	5				2		barriers,
		m	3/1	20'W 1'D	m	7	7	2		77	5			2/1	8	-	land use,
		2	0	28'W 1'D	<u>ښ</u>	4/5	H	2		42	5			1/2	2		
			0	33'W 1'D	က	7	1	2	66.97	42	5			3/1	3	2	(rehab.,
		Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Bottom Type (Riffle)	Color/Turbidity	Velocity	I Flow (C.F.S.)	65 1 Temp. (°F.)	Hd	Fry Abundance	Benthos Sample No.	Higher Plant Class	Aquatic Veg. Density	Ident. (1) Mosses (2) Algae	ks

General Remarks (rehab., land use, barriers, log jams, etc.):

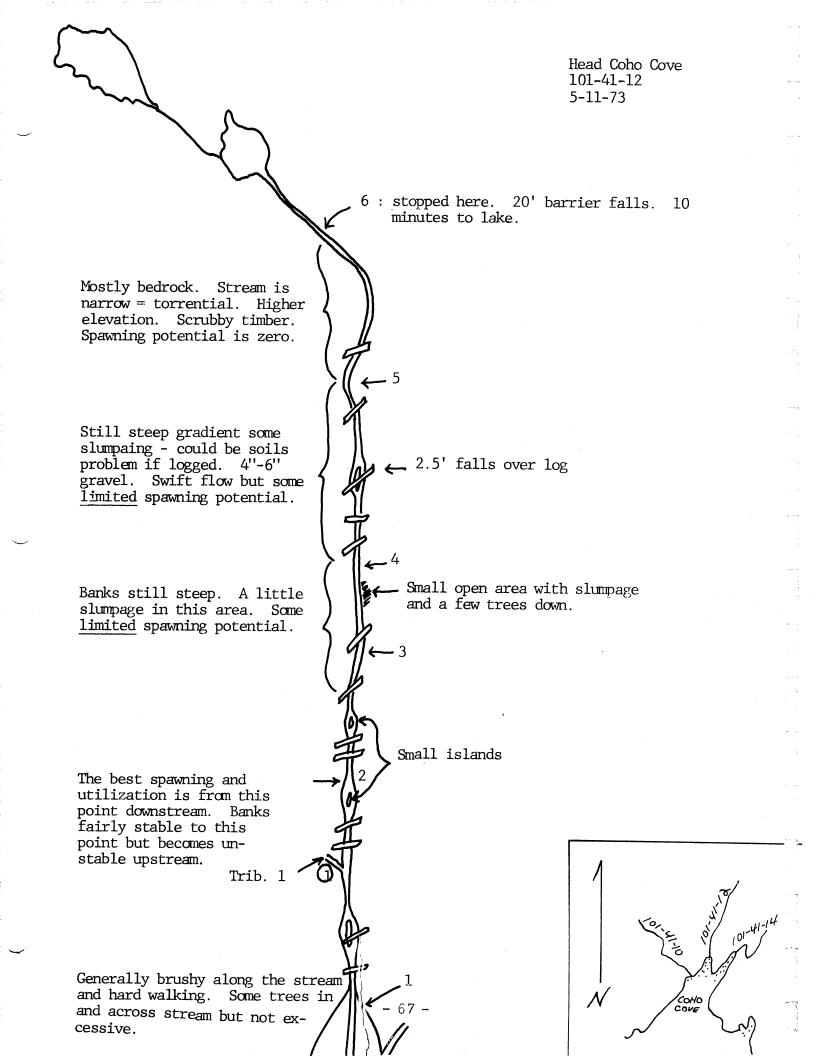


Name		Catalog No. <u>101-41-10</u>
Latitude N	55° 16' 22"	WR No.
Longitude W 1	31° 22' 18"	11 110.
Geodetic Map	No. <u>Ketchikan - B-5</u>	Work Area <u>Ketchikan</u>
Location Left	head of Coho Cove	Watershed Length 1-1/2 miles
	of Watershed	
Water Supply	Type Runoff and muske	8.
manila & Curr	tor Poutog Hoth days	to the state of th
iralis & surv	ey nouves wark arong	banks or in stream.
Aerial Survey	Notes Vegetation cro	wds stream banks.
, , , , , , , , , , , , , , , , , , ,		was serious series.
Anchorage 0	ff mouth of stream at hea	d of cove.
Tide Stage Wr	nen Surveyed 1st half	of ebb.
FISHERY RESOU		so by sohe and ninks 100 mands mandaum
gravel.	risheries rossible o	se by coho and pink; 100 yards, maximum, spawnin
	No record. Limited sp	awning area. No fish observed 9-19-73.
Species Con	mposition None observe	d.
Citizen de la Unite		
Timing Unk	areas Off mouth of co	774
penonting s	ireas or model or co	
Shellfish I	Potential None - inte	rtidal rocky.
	www.communication.communication.communication.com	
Sport Fishe	eries Rainbow utilizati	on possible above driftwood jam in mouth.
and the second s		
Land Use at	t Present None	
History of	Land Use None	
Pohobilito	tion Potential Driftma	od jam at mouth offers low priority work.
Menapitica	SION TOCENCIAL DITIEWO	od Jam at model offers low priority work.
Soils Pres	sently stable, but forese	e slimpage from areas above 50 yards upstream
(banks steep :	in this area).	- January Control of C
- And the second		
GAME RESOURCES		
Poor	Wigh gamanagan an hana	(ald an Assala) on handen satisfact
Dear.	Number of droppings	s (old or fresh) on banks, estimate0
Geese	Number seen on tide fla	ot c
docbo	Number seen up creek	0
	Number of broods seen	0
Mallards		
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen ar	nd location 0
	Number seen at mouth of	stream
Tide flats -	Estimate length along t	
	Estimate depth out from	
	Eel grass present on wh	nat percent of flats 0

			SIR	STREAM INVENTORY FORM	NIORY I	ORM		Observers:	rs: 5-11	owney,	Downey, Dinneford -73 3.00 nm	ord	
			Name:	: :				Temperature:	口	759			
	0	•		Number: 101	101-41-10		٠	Weather:	: Sumy	ny, warm	E		
	10 min. walking intervals	ing interiv	1			-							
Station No.	Н												
Pool Size/Type	0												
Riffle Type Width-Depth	12'W 6''D												
Pool Riffle Frequency	3				-			·					
Bottom Type (Riffle)	7				· · · · · · · · · · · · · · · · · · ·								
Color/Turbidity	Н												
Velocity	2												
Flow (C.F.S.)	2.8												
Temp. (°F.)	41											·	
Hq	- 20												
Fry Abundance	0												
Benthos Sample No.													
Higher Plant Class	m												
Aquatic Veg. Density Ident	-												
(1) Mosses (2) Algae	2												

General Remarks (rehab., land use, barriers, log jams, etc.):

- 66 -E



Name Coho Cov	e Creek	Catalog No. <u>101-41-12</u>	
Latitude N	e Creek 55° 16' 31"	WR No.	
Longitude W 1	31° 22' 0"	K No. <u>101</u>	
Geodetic Map	No. <u>Ketchikan - B-5</u>	K No. 101 Work Area Ketchikan Watershed Length 2-1/4miles quare miles d muskeg.	
Location Cen	ter of Coho Cove	Watershed Length 2-1/4miles	
Drainage Area	of Watershed 3.4 se	quare miles	
Water Supply	Type Lakes, runoff, and	d muskeg.	hammer envilonmentature appear automorphism appearance especial as
Trails & Surv	ev Routes Walking in a	nd along stream; harder to walk abo	aro chohion
2 because of st	eepness, brush.	nd along scream, harder to wark abo	ve station
Aerial Survey	Notes Steep banks som	e trees in stream.	
nor har bar vey	The state of the s	o crood in orrenne	
Anchorage Off	mouth of stream		erich verschaft der der Personalier von der Gestellschaft der der den der den der der der der der der der der d Der verschaft der
Tide Stage Wh	en Surveyed lst half	of ebb.	
FISHERY RESOU	BCES		The state of the s
		and coho found by F.R.I. and F.W.S.	in the nest
Oommer offar	Tibliciaco Tink, chum,	and cono round by r.k.r. and r.w.b.	III the past
Escapement	1953, 150 coho; 1950, 310	pink, 4 chum; 1947, 734 pink, 38 c	hum. 1 coho.
spawning area	: (600'x20'x60% ASA) 669	m^2 : 9-19-73 - 50 dead, 25 live or	ff mouth,
I.T 300 de	ad, 50 live pink, upstream	- 200 dead, 100 live rink, 1 sock	eve.
Species Compo	sition: 75% pink, 10% chu	um, 25% coho.	
Timing Coh	o, late August; pink and c	hum late SeptOct.	of the Military supplies the way was dead of any who could be a pay-
Schooling a	reas Upper intertidal;	some pools in lower area.	
Shellfish P	otential None, intertid	al rocky.	and the state of t
OHCILIIOH I	Occidental money interest	TOURY &	
Sport Fishe	ries Two hour minnow tra	ap set caught 1 rainbow smolt.	
			Million of the safety of the control was recognificate or the safety of the control was a safety of the control wa
Land Use at	Present None		
History of	Land Use None		
Rehabilitat	ion Potential' A few to	rees in stream.	
Tro Hab ala a ba o	II I I I I I I I I I I I I I I I I I I	ices in sereau.	
Soils Above	station 2 some downslope	e movement noticed. Banks very ste	ep.
e-propangage-ser-serialities			
deniel an anna arrive er anna der verbreuel 1991 1991 1991 1991 1991			
GAME RESOURCES			
Boon	Tigh aspended on hones	(ald on freezh) an houles astimata	•
Degl.	Number of droppings	(old or fresh) on banks, estimate	0
Geese	Number of dioppings Number seen on tide flats		0
40000 m	Number seen up creek	.	0
	Number of broods seen		0
Mallards	Number seen on tide flats	3	<u>ö</u>
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Bald Eagles-	Number seen along creek		0
	Number of nests seen and		0
	Number seen at mouth of :	The state of the s	1
Tide flats -	Estimate length along bea		0
	Estimate depth out from 1		0
	Eel grass present on what	t percent of flats	0

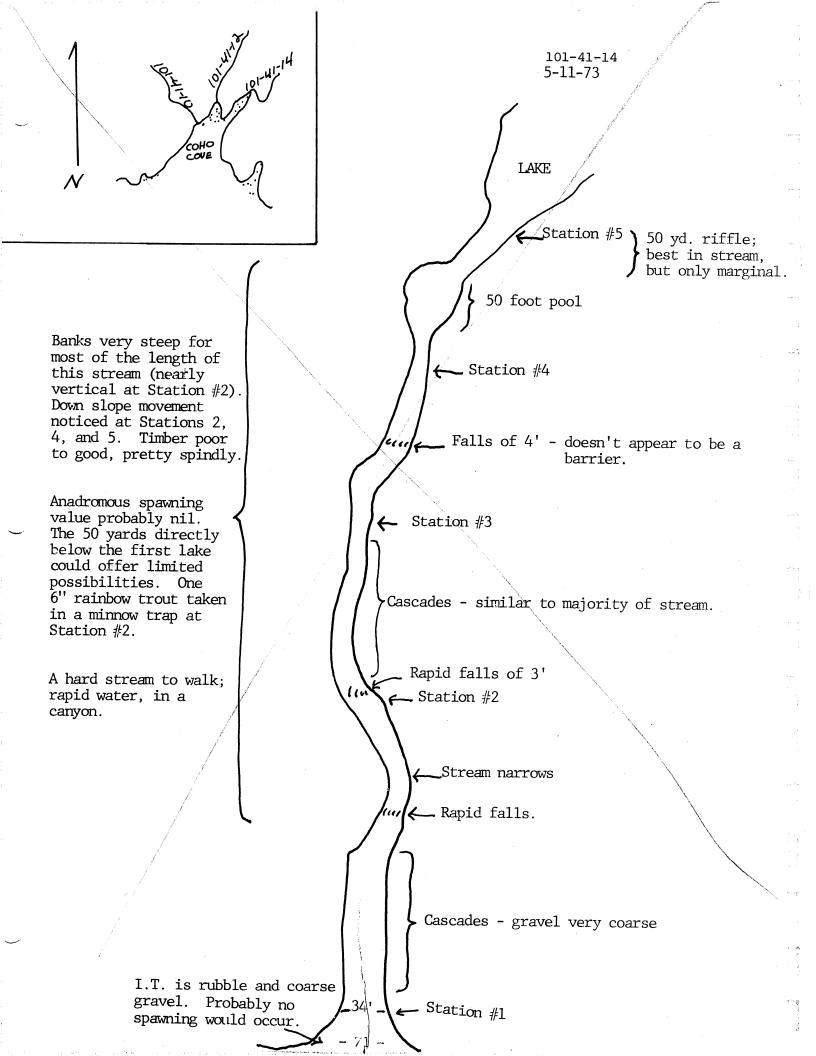
STREAM INVENTORY FORM Observers: Downey, Dinneford Date: 5-11-73	Temperature:	10 minute walking intervals.Number: 101-41-12	1 2 3 4 5 6	0 1/2 3/2 2/2 3/2 2/2	30'W 12'W 16.5W 13'W 10'W 14'W 8'D 9'D 10'D 14'D 18'D	3 3 3 3	4 4 4 6		2 2 2 2 2	19.2	38 38 38 38 38	5 5 5 5 5		1	2 1 1 1 1/3	2 2 2 2 1	
		te walking interva	2 3 4	3/2	16.5W 13'W 9'D 10'D	3	7	1	2		38	2			1	2	
		10 minu	1		30'W 1 8'D	33	7	П	2	19.2	38	5		Н	2	2	
			Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Bottom Type (Riffle)	Color/Turbidity	Velocity	Flow (C.F.S.)	Temp. (°F.)	Hq	Fry Abundance	Benthos Sample No.	Higher Plant Class	Aquatic Veg. Density	Ident.

General Remarks (rehab., land use, barriers, log jams, etc.):

- Flow 69 Gamp.

Coho Cove 101-41-12

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-30-62				40 @ mouth.
			- 70 -	



Name		Catalog No.	101-41-14	
Latitude N !	55° 16' 18"	WR No.		
Longitude W 1:				
	No. <u>Ketchikan - B-5</u>		dl-an	
Location Right	nt head of Coho Cove	Watershed Lengt	ikan h <u>2-1/2 miles</u>	
Drainage Area	of Watanahad			
Water Supply	Type <u>A series of lake</u> :	- C - 1 .1 !		assin seem
Marcel pubbil	Type A series of lake	s reed this stream.		
The ile Chart	or Douglos of the lace			-
Traits & Surv	ey Routes Walking diff:	<u>lcult due to the maj</u>	ority of the stream	
running through	n a steep canyon.			
Aerial Survey	Notes Banks very stee	ep.		
				-
Anchorage Off	rocky beach in stream cl	nannel.		
Tide Stage Wh	en Surveyed 2nd half	of ebb.		
FISHERY RESOU	RCES			
Commercial	Fisheries Limited	oroducer of mink and	chum galmon	
Oommercrar	TI SHOT ICE	Froducer of prink and	Chum Salmon.	
Feannment	1950, 10 pink, 2 chum;	1947 200 pink 24 a	hum Timited approximate	
Rearing in la	ke and stream. No spawne	ors observed 9-19-73	idii. Limited spawiiing a	rea.
	position 90% pink, 10%			
Species com	posicion 30% pink, 10%	e Cituin/		named that gall-traducty
Miming Ind	Control Octob			
	e. September-October			
pendorring g	reas Upper intertidal			
Cl 1 1 A: - 1 D	-1			تقرر خان بان سوس
Snellish P	otential None			بثد جدد سب
Sport Fishe	ries 1 rainbow fry take	en in minnow trap at	Station 2 in 1/2 hour	-
set; getting	in is the problem.			
Land Use at	Present None			
History of	Land Use None			
				
Renabilitat	ion Potential Stream t	coo steep to offer m	uch potential.	

	steep canyon downslop		at Stations 2, 4, and 5.	***********
Unstable con	ditions up to 100 yards b	pelow lower lake.		
GALE RESOURCES				
			and the second second	
Bear	Fish carcasses or bones	(old or fresh) on b	anks, estimate 0	
	Number of droppings		0	
Geese	Number seen on tide flat	ts	$\mathcal{L}^{W} = \mathcal{L}^{W} = 0$	padionanagy-risk-upp-
	Number seen up creek	() the	12000	
	Number of broads seen	Linux a.	0	
Mallards	Number seen on tide flat	ts (// , A	0	-
	Number seen up creek	as and	1. 1.	-
	Number of broods seen	70	to 182.	
/ Wergensers -	Number of broods seen		-0	Jan School Control
	Number of bloods seem. Number seen along creek		0	
C rein ragios.	Number of nests seen an	d location		
Saala	Number of nests seen and Number seen at mouth of	atroom	oanks, estimate 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
		DOT COM	·	-
Tide Ilaus -	Estimate length along b		0	-
	Estimate depth out from		0	displayer .
	Eel grass present on who	at percent of flats	0	

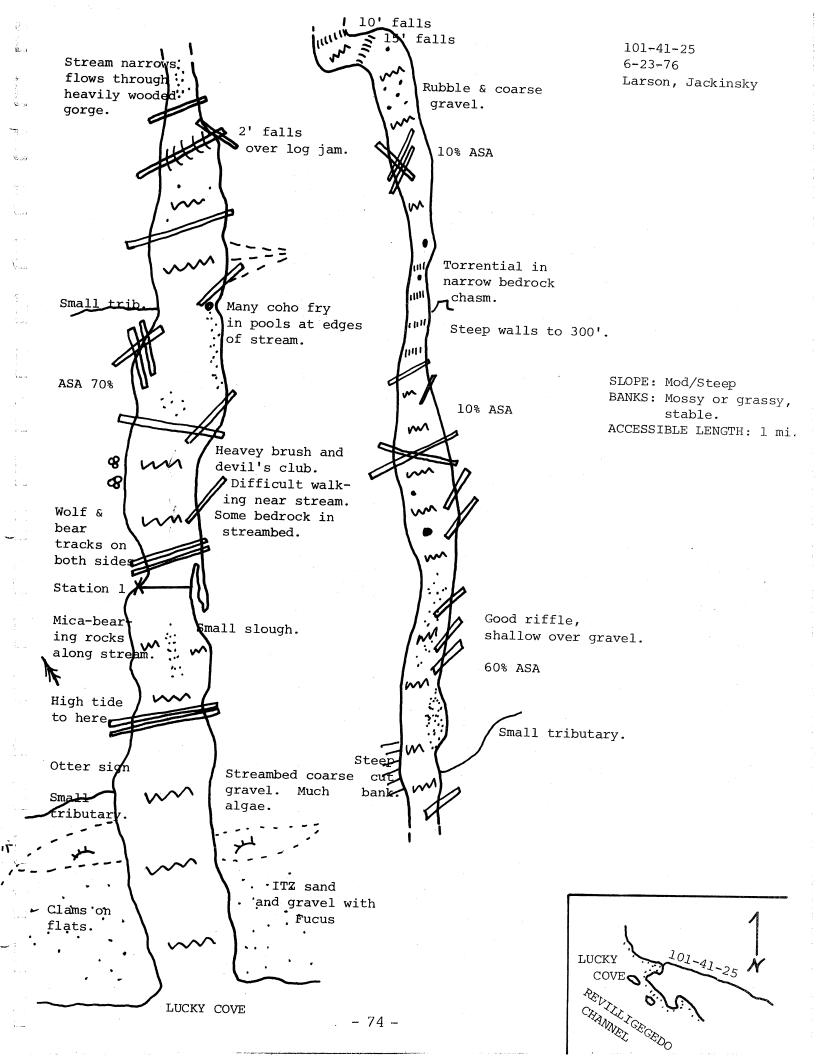
FORM	
INVENTORY	
STREAM	

Observers: Downey, Dinneford Date: 5-II-73

					Name:	 Ig				Tempe	Temperature:	69	1:30 pm	E C
					E N	<u>ي</u> : ي:	101-41-14	14		Weath	er: S	Scattered clouds	d cloud	S
Station No.		2	9	. 4	5									
Pool Size/Type	1/2	1/1	1/1	1/1	2/2		·							
Riffle Type Width-Depth	34'W 18''D	28'W 4'D	23'W 3'D	18'W 2'D	18'W 1'D									
Pool Riffle Frequency	7	3	3	2	2									
Bottom Type (Riffle)	4/5	9/9	2/6	5/6	4/5									
Color/Turbidity	1	1	1	- 1	Н									
Velocity	2	2	2	2	2									
Flow (C.F.S.)	74.89	·												
Temp. (°F.)	43	43	43	43	43			/						
hЧ	5	5	5	5	2									
Fry Abundance		3-1												
Benthos Sample No.														
Higher Plant Class	1	2	2	2/3	3									
Aquatic Veg. Density	3	3	<u>س</u>	8	2				v. v					
Ident. (1) Mosses (2) Algae	2	2	2	Н	Н						-			

General Remarks (rehab., land use, barriers, log jams, etc.):

- Flow (C.F.S 22 1 Temp. (°F.)



Name:		Catalog No.: 101-41-25	
Name: Latitude:	55 12'42"	WR No.: 105	
Longitude:	55 12'42" 131 15' 32"	WR No.: 105 K No.: K105	
Geodetic Map No.	: Ketchikan A-4, B-4	Work Area: Ketchikan	THE POLICE IN LA THE THE THERE AND A RELIEF BY METHOD BY METHOD AND A SECURITION OF THE POLICE AND A SECURITION OF THE POLIC
	Cove, head.	Watershed Length: 6.5 miles	Agent meller som der kritiken bestagtens dem miljer sedigen sagsen, genommer
Annual Control of the		Drainage Area: 8 sq. miles	National Angles (Angles of Angles of
Water Supply Typ	oe: Lake system, muskeg	, runoff.	
Trails & Survey	Routes: Difficult wall	king during high water. Game trai	la alona
south bank (diff	ficult), trapper trail on	south ridge beginning in S.E. cor	ner of cove
		ty under most conditions - amber co	
	ep canyon and high trees.		JIOI WALEI,
Anchorage: Lu			hildrichtigeners auf eine de verlag zus, zeranntiks abstigeners generaliste generaliste generaliste generaliste
Anchorage	adily cove.		
Tide Stage when	Surveyed:		
FISHERY RESOURCE	FC		
			7 (0)
Commercial Fi	sherres. Pink, chum, co	pho, red mentioned in escapement re	ecords (8-29-51)
Escapement:	9-20-56: 70 000 pink 160	00 chum. 9-25-49: 5479 pink (live)	02 (3023)
181 chum (live)	9 (dead) 2 coho Snawn:	ing area - $7358 ^{\text{m}2}$ (5280'x30'x50%)	ASA)
Species Compo	sition: Pink chum	, coho and red.	1011/
pheeres combo	STOTOM. FINA, CHAM	, cono and red.	
Timing:]	Late.		ettikaangemeentenina, op ooks vorpenda ooksaangaa gaanaansa
		assflats, pools throughout stream,	especially
		lls.	
		amers on flats.	
			kali digina mingandarikya ina sepira, senye manafirmanang usanang komunistra autopa ut. di sen s
Sport Fisheri	es: Cutthorat trout in	lake.	una riteratus des accupatibles descriptivatorios, una diparcente una aplaces aprova unite el fa e
pport ribilioni	out the same and t		
Land Use at P	resent: Excellent deep	r hunting in area, well utilized a	nchorage.
History of La	nd Use: Unknown.		
		, sockeye rearing area in lakes and	d upper
	alls should be examined for	or alteration.	
Soils: Stal	ble.		Markly with the community of the state of th
			MENNEMENT van Francisco sources constants and decreased in regularization
·			
GAME RESOURCES			
Bear		(old or fresh) on banks, estimate	
	Number of droppings		
Geese	Number seen on tide flat	S	
	Number seen up creek		tion other a military operations, a managent happy account aspect time
	Number of broods seen		
Mallards	Number seen on tide flat	CS CONTRACTOR OF THE CONTRACTO	
	Number seen up creek		
	Number of broods seen		
Mergansers -	Number of broods seen		nen mediller fren giver bestemmelijken han de bestemmelijke bestemmelijke bestem bestemmelijke bestem bestemmelijke bestem bestemmelijke beste
Bald Eagles-	Number seen along creek		the course from the first makes are operated to the course of the first course of
	Number of nests seen and	l Mocation	gan gagatan dikangan ang pangka ang pangka ang pang dan ang
Seals	Number seen at mouth		
Tide flats -	Estimate length along be	each	
	Estimate depth out from	1	The state of the s
	Eel grass present on wha		

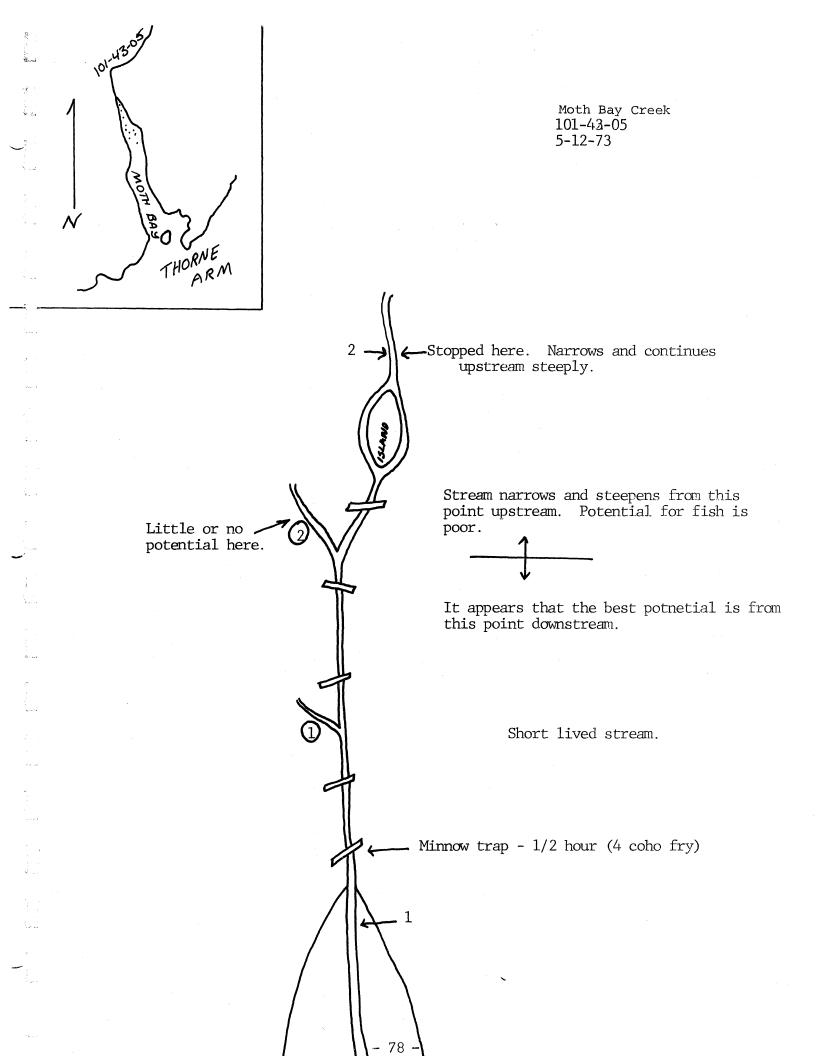
Observers: Larson, Jackinsky Date: 6-23-76 Temperature: 51 Weather: Overcast, rain 51 Date: STREAM INVENTORY FORM Number: 101-41-25 Name: 50'W 1.4'D 3/2 3/2 218 7.0 2/1 0 က 0 52 4 Color/Turbidity Pool Size/Type Fry Abundance Higher Plant Class Aquatic Veg. Density Ident. (1) Mosses (2) Algae i Flow (C.F.S.) Bottom Type (Riffle) Riffle Type Width-Depth Pool Riffle Frequency 96 Temp. (°F.) Station No. Sample No. Velocity Benthos 듐

Ceneral Remarks (rehab., land use, barriers, log jams, etc.): Many fry, mostly coho, upstream.

PEAK ESCAPEMENT RECORD

Lucky Cove 101-41-25

101-41-2	5			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-11-38				18-20,000 fish. Extremely high water.
9-21-40	6,000	500		
9-27-41	50,000		:	
9-14-42	30,000	5,000		2000 off mouth
9-18-42	40,000			Few chum. 40,000 off mouth.
9-26-47	8,000	100		
9-28-48	5,000 (1st .3 mi)			Excellent-estimate 20,000 to the mile.
9-25-49	5,474	181	2 coho	93 dead pink, 9 dead chum. (100 coho observed 7-8)
9-26-50	4,725	215		1 dead coho.
9-25-51	7,650	160	few coho	188 dead pink, 85 dead chum. 5-8,000 fish off mouth.
10-8-52	380	4		600 dead pink.
10-1-53	238	1		78 dead pink.
9-27-54	15,600			Some chum.
9-25-55	10,000			
9-20-56	70,000	1,600		3,000 pink at mouth.
9-15-57	200 د			Some chum.
9-5-62	950			Many @ mouth. Well distributed.
8-27-63	few			Poor visibility.
8-23-65				15,000 @ mouth & I.T.
9-12-66				5,000 @ mouth. Vis. poor in stream, good off mouth.
8-14-67				l jump. Good visibility.
8-21-73				800 @ mouth. Visibility fair.
8-20-74				2000 @ mouth & I.T. Vis. fair.
8-11-75			- 77 -	3-4000 @ I.T.



Name Moth Ba	y Creek	Catalog No. <u>101-43-05</u>	
Latitude N	55° 22' 44"	WK NO.	
Conditio Man	31° 20' 37"	21 100 •	
Teastion	Ketchikan - B-5	Work Area <u>Ketchikan</u>	
Drainage Area	of Moth Bay of Watershed	Watershed Length 1 mile	Annual desiration of the second desiration of
	Type Lake at head of	of voor	
water puppry	Type Lake at Head of	stream.	
Trails & Surv	ey Routes Walking in s	stream and along banks easy.	
		y, trees along banks scrubby.	
Anchorage Wel	1 protected between inner	island and mouth on west side of	mouth.
Tide Stage Wh	en Surveyed <u>1 hour b</u>	pefore high.	
FISHERY RESOU	RCES		
		captured); potential for pink sa	lmon fair.
Escapement	None on record. (1100'x	11'x 30% ASA) spawning area - 337	m No live
fish or carca	sses, redds or other sign	of spawning fish 9-13-73.	
Species Com	position Unknown		
Timing Unk	nown		
Schooling a	reas None		·
Challfish D	stantial law to pen-	wistont come only and he found	
Sherring P	otential Low to non-e	existant - some crabs may be found	in the bay.
Sport Fishe	ries Possibly coho or	trout fishing to be had in the lov	wer reaches.
Land lise at	Present None		
Edita one ac	TI OBCITO TIONE		
History of	Land Use None		
Dobobilitot	ion Dotonticl Tittle	work required. A few non-barrier	1 /
stream.	Ton rotential Ellie	work required. A rew non-parrier	logs in
	ient low increasing clic	htly 300 yards upstream, banks sta	able a fee
logs across s	tream.	mery 500 yards upstream, banks sta	ible, a lew
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	9 0
	Number of droppings	· · · · · · · · · · · · · · · · · · ·	0
Geese	Number seen on tide flat	5 S	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide flat	ប៊ីន	0
	Number seen up breek		0
2.0	Number of broods seen		0
~ .	Number of broods seen		0
Bald Eagles-	Number seen along creek	7.7	0
Can I =	Number of nests seen and		0
	Number seen at mouth of		0
Tide Ilaus -	Estimate length along be		300'
	Estimate depth out from Eel grass present on who		35 ' 5%
	THE RESIDENCE OF THE PROPERTY	ar reference of the first	₽ 1/-

Name:						જિ	TREAM	INVENT	STREAM INVENTORY FORM	XI		Observ Date:_	ers: I 5-12-7	Observers: Downey, Date: 5-12-73	Dimeford 10:00 am	ford	
10 minute walking intervals. Namber: 101-43-05 1						Ž	ame:	A TAXABLE COMPANY OF TAXABLE PROPERTY.		1		Temper	ure	;	·		
1 2 1 2 14'W 9'W 5''D 3''D 3''D 3''D 3''D 3''D 3''D 3''D		10 min	lute wa	Iking	inter	7als. W	mber:	7-101	13-05			weather:		Light rain	aın		
be 0 1/3 14'W 9'W 5'D 3'D 3 3 3 4 4 4 4 4 4 4 4 4 1 1 2 2 2 2 3 3 8 1/4 0 1 2 1 2 1 2 1 2 3 3 3				And and confidential particular control of the cont						·	 located the state						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
be 0 1/3 14'W 9'W 5'D 3'D 3 3 3 4 4 4 4 4 4 5 45 5 5 5 1 2 1 2 1 2 1 2 1 3 3 8 3	on No.	1	2	The state of the s	* Special Control of C												
14'W 9'W 5'D 3'D 3'D 3'D 3'D 3'D 3'D 3'D 3'D 3'D 3	Size/Type	0	1/3														
ity 1 1 2 2 2 2 2 2 2 45 45 45 45 5 5 5 5 5 5 5	e Type -Depth	14'W 5'D	9'W 3'D				·				·						
ity 1 1 2 2 2 2 2 2 2 2 45 45 45 45 45 45 1 2 2 1 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2	Riffle ency	3	3														.:
F.S.) 3.8 7.5 4.5 4.5 4.5 4.5 6.0 1.4 0 1.2 1.2 1.3 0.8ses	m Type 1e)	7	7														
F.S.) 3.8 2 2	/Turbidity	Π	Н				·										
3.8 45 45 5 5 1/4 0 1 2 1 2 3 3	ity	2	2														
ce 1/4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	(C.F.S.)	3.8															
ce 1/4 1 1/4 5 1 1 1 1 1 1 1 1 1	(°F.)	45	45								 						
1 1 3		5	5														 -
s No. 1 Plant 1 c Veg. 3 H. Mosses	Abundance	1/4	0														
r. Plant 1 1 1 2 3 3 3 3 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5	nos Le No.	Н	2									·					
m	er Plant s	Н	2														
sess	tic Veg. ity	3	3														
2	Ident. (1) Mosses (2) Algae	2	2														

General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

Moth Bay 101-43-05

DATE	PINK	CHUM	OTHER SPECIES	REMARKS	
8-21-73				900 @ mouth. Visibility fair.	
			- 81 -		



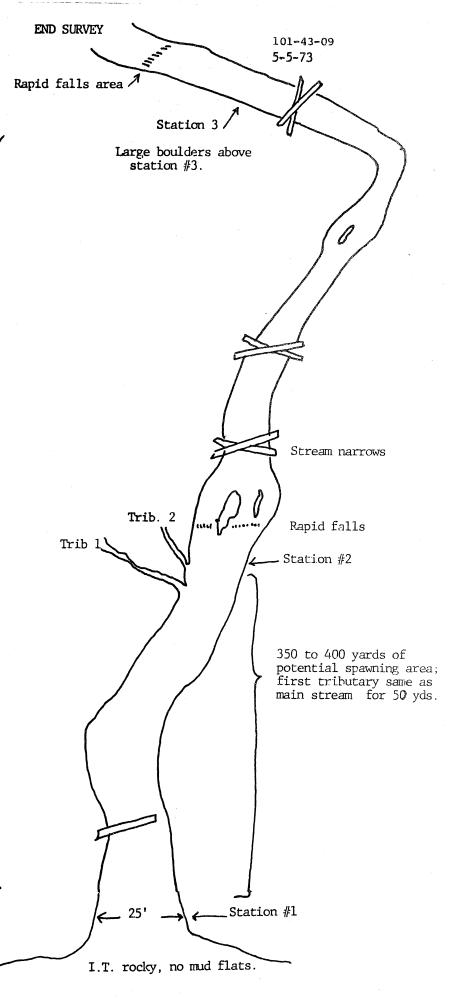
Timber is good to excellent along this stream, especially the lower parts.

Soil is very stable, banks moderately steep from Station 1 to Station 2.

Down trees do not block fish access along this portion of stream surveyed.

Possible coho or chum utilization.

Water level 2-3" high at time of survey.

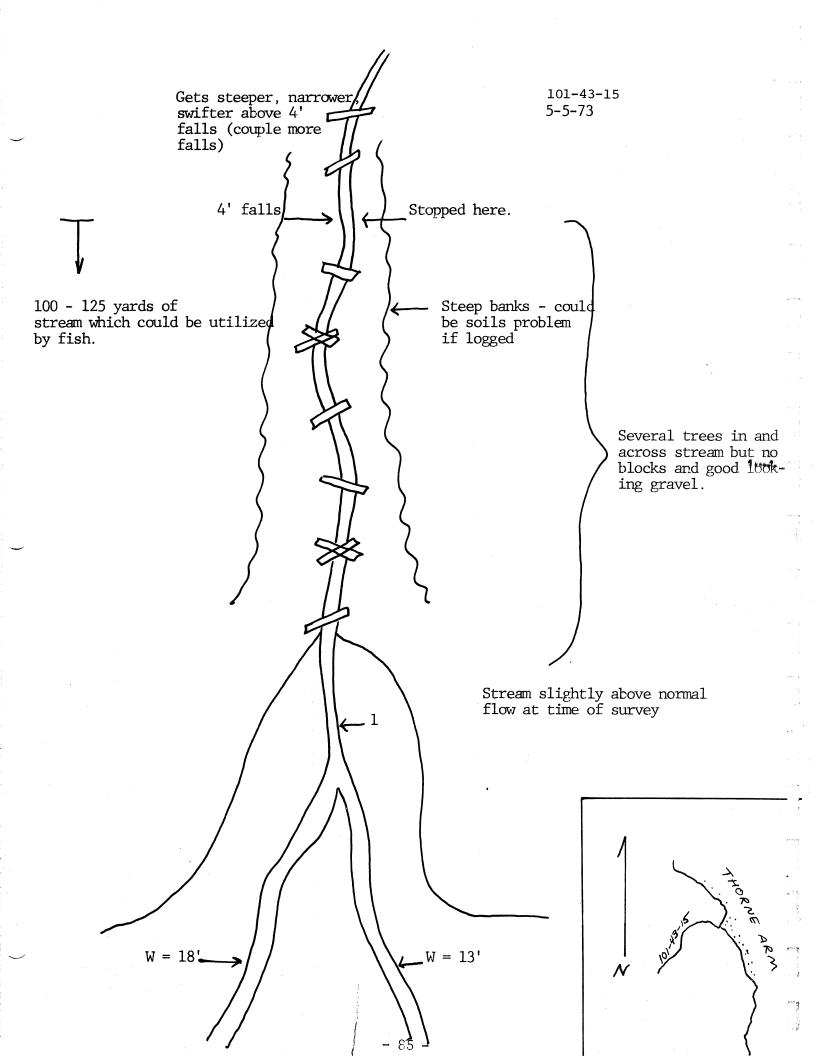


Name		Catalog No. <u>101-43-09</u>	
Latitude N 5	55° 19' 23"	WR No.	
Longitude <u>W 13</u>	31° 16' 25"	N NO.	
Geodetic Map	No. <u>Ketchikan - B-4</u>	Work Area <u>Ketchikan</u>	***************************************
Location s.w.	of Eve Point 1/2 mile	Watershed Length 2 miles	
_	of Watershed		
water Supply	Type Runoff, precipi	tation	Marie Anna
Trails & Surv	ev Routes Welking alo	ng stream bank good most of length.	Como trasa
to climb over.	cy nouves warking alo	ing stream bank good most or rength.	Some Liees
	Notes Hard to observe	, tall trees to banks.	
Anchorage Ver	ry open to S.E. weather	off mouth.	
Tide Stage Wh	en Surveyed <u>lst half</u>	of flood	
FISHERY RESOU	BCES		
		of low to mid potential gravel. Gra	vel mostly
large to smal			
Escapement M	None on record. Spawning	area = 1784 m ² (1200'x20'x 80% ASA)	. No live
fish or carca	sses, redds or other sign	of spawning fish, 9-13-73.	
Species Com	position No fry obse	rved.	-
			
Timing Unl			
Schooling a	reas None		
Shellfish P	otential None		The state of the s
OHCTTITOH	Overrotat None		
Sport Fishe	ries Rainbow, cutthroa	t	***************************************
Land Use at	Present None		_
History of	Land Use None		
Pohohilitot	ion Potontiol		
Nellabilituat	Toll rocellulat A few	logs in stream, no barriers.	
Soils Good	stable banks however s	teep gradients present in area of be	ct craval
~~~ <u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	Stable banks, nowever, s	teep gradients present in area or be	st graver.
			A STATE OF THE PARTY OF THE PAR
GAME RESOURCES			
	T12 -1		e e e e e e e e e e e e e e e e e e e
Bear		(old or fresh) on banks, estimate	0
Geese	Number of droppings Number seen on tide fla	te	0
deese	Number seen up creek		0
•	Number of broods seen		0
Mallards	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Bald Eagles-	Number seen along creek		0
	Number of nests seen an		0
•	Number seen at mouth of		0
Tide flats -	Estimate length along b		0
	Estimate depth out from		0
	Eel grass present on wh	at percent of flats	0

					R	STREAM INVENTORY FORM	VENTOR	Y FORM			Observ Date:	ers: [5-5-7	Jowney 73	Observers: Downey, Dirmeford Date: 5-5-73	eford
					Na S		60-67-101	6(			Temperature:	ature: r: L	e: 45 Low overcast	rcast .	- rain
			A PROPERTY OF THE PROPERTY OF	MAN PROVIDENCE AND	2	Number: -						11			
Station No.	1	7	က						-						
Pool Size/Type	3	3	3	·											
Riffle Type Width-Depth	25'W 1.3'D	18'W 1'D	17'W 1'D												
Pool Riffle Frequency	3	3	3												
Bottom Type (Riffle)	7	7	7												
Color/Turbidity	Н	Τ	Н						•						
Velocity	2	2	2		-										
Flow (C.F.S.)	39.3														
Temp. (°F.)	39	39	39												
Hd	9	9	9												
Fry Abundance								* .							
Benthos Sample No.										·					
Higher Plant Class	1/3	П	H					·							
Aquatic Veg. Density	3	r	က								•				
Ident. (1) Mosses (2) Algae	2	2	2												

5 - 4 - 4

General Remarks (rehab., land use, barriers, log jams, etc.):



Name		Catalog No. <u>101-43-15</u>	
Latitude N 5	55° 20' 32"	WR No.	Mikilikhan Milay yakifiyo afradis yi ilifiy xakiyari kadilayas qoʻz
Longitude W.13	31° 15' 49"	N NO.	
Geodetic Map 1	No. Ketchikan - B-4	Work Area <u>Ketchikan</u>	
Location So. c	of Snipe Islands of Watershed	Watershed Length 1-1/4 miles	
Drainage Area	of Watershed		
Water Supply	Type Runoff, springs.		
Trails & Surve	ey Routes Walk survey	in stream.	
Aerial Survey	Notes Steep banks,	many trees across stream.	
Anchorage Off	mouth - no protection f	rom any weather.	
Tide Stage Wh	en Surveved Low tid	е.	ASSA NI STANISTA NI STANISTA (STANISTA STANISTA STANISTA STANISTA STANISTA STANISTA STANISTA STANISTA STANISTA
FISHERY RESOU	RCES	of weekle arrayol - no fry changed	
Commercial .	Fisheries 100 yards	of usable gravel - no fry observed.	Mayor - Agency all property of the second
Escapement	None on records None	observed 5-5-73. 6 live pinks, 1 dead	d at high
tide zone 9-1	.3-73. Spawning area = $20$	61 m ² (375'x15'x50% ASA)	Annual Control of the
	position None observe		
Timing Unkr	10Wn		
Schooling a	reas None		
		•	
Sheriffsh r			
Sport Fishe	ries None		
	,		
Land Use at	Present None		
History of	Land Use None		
1115001 y 01	Baric OSC None		
Rehabilitat	ion Potential A few	logs in stream but not worth the time	to remove.
Codla nete	1	14	
SOLIS Banks	are steep above the tree	line with minor sluffing of soil.	
and the second s			
GANE RESOURCES			
			-
Bear		(old or fresh) on banks, estimate	0
0	Number of droppings		0
Geese	Number seen on tide fla	US -	0
	Number seen up creek	-	0
Mollowia	Number of broods seen Number seen on tide fla	-	0
Mallards	Number seen on true fra Number seen up creek		0
	Number seem up creek  Number of broods seen	<u> </u>	0
Menoencore -	Number of <b>broods</b> seen	-	0
<u> </u>	Number seen along creek	<del>-</del>	0
TATION LICELLY D	Number of nests seen an		0
Seals	Number seen at mouth of		0
	Estimate length along b	· · · · · · · · · · · · · · · · · · ·	0
	Estimate depth out from		0
	Eel grass present on wh	· ·	0

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36																
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		,		15,	(1)	7		"	12	36						
		Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Bottom Type (Riffle)	Color/Turbidity	Velocity	1 Flow (C.F.S.)	87 (°F.)	Hď	Fry Abundance	Benthos Sample No.	Higher Plant Class	Aquatic Veg. Density	Ident. (1) Mosses (2) Algae
	Temperature: 36	:: 101-43-15	Name:	Name:    Name:   Name:   Namber: 101-43-15	Name:    Name:   Namber: 101-43-15	Name:  Name:  Namber: 101-43-15  1	Name:  Number: 101-43-15  Pe 0	Name: Number: 101-43-15  1	Name:    Number: 101-43-15	Number: 101-43-15     Station No.	Name: Number: 101-43-15  Number: 101-43-15  Number: 101-43-15  1	Name:   Number: 101-43-15	Namber: 101-43-15  Number: 101-43-15  Number: 101-43-15  1	Namber: 101-43-15  Number: 101-43-15  Number: 101-43-15  1	Namber: 101–43–15  Number: 101–43–15  1	Name:

General Remarks (rehab., land use, barriers, log jams, etc.):

Approximately 50 yards of available spawning gravel - from the lower I.T. to a few yards above station #1.

Just a few yards above station #1 the stream goes into a very steep gradient with high velocities, bedrock and much rapids (torrential) area with some minor falls.

Stream continues very steeply above area 2.

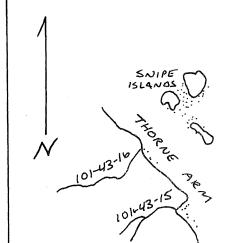
This stream has been logged to the banks on both sides - very little debris is in the stream (almost none- too swift).

All logged to the stream banks.

All logged to the stream banks

2 : stopped survey here.

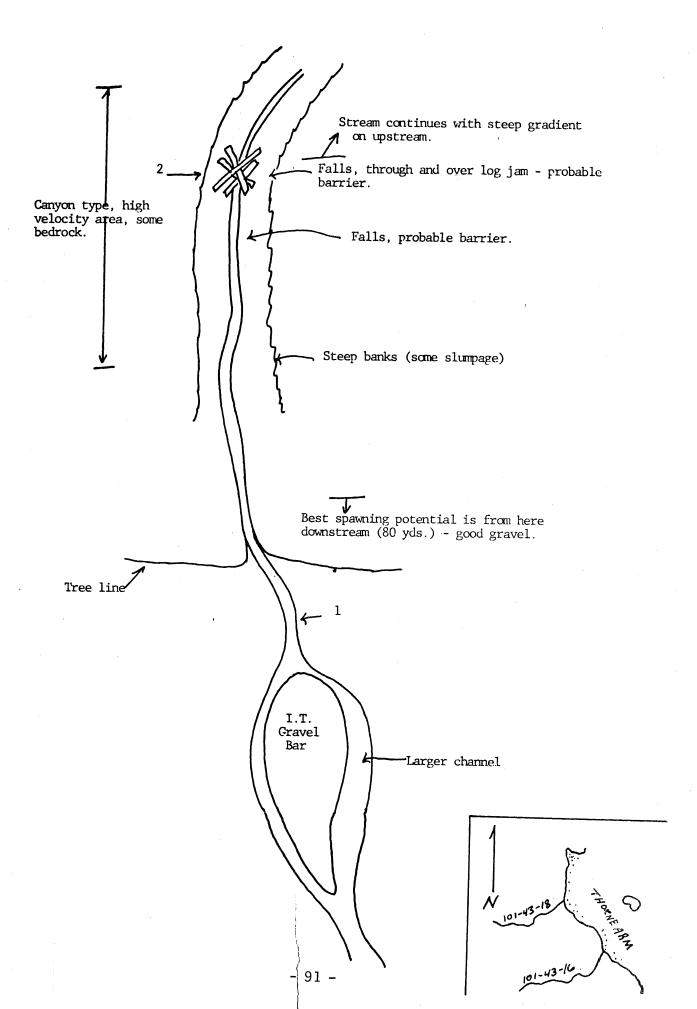
Tree line, except there are no trees.



Name		Catalog No101-43-16	
Latitude N.	55° 21' 2"	WR No.	
Longitude w.	55° 21' 2" 131° 16' 18"	R NO.	
Geodetic Map	NO. Ketchikan - B-4	Work Area Ketchikan	
Location s.w.	Snipe Islands	Watershed Length 2-1/4 miles	
Drainage Area	Snipe Islands of Watershed		
Water Supply	Type Runoff, small 1		4-112
Trails & Surv to walk in.	rey Routes Walk alon	g rocky banks (hard walking); stream	n too swift
Aerial Survey	Notes Logged to ban	ks, excellent visibility.	
Anchorage Ve	ry poor off mouth; rocky	I.T. open to the Southeast.	
Tide Stage Wh	nen Surveyed High		
FISHERY RESOU	IRCES		
		ial. (50 yards gravel maximum)	
Escapement	No records. 9-13-73; u	upstream 30 live pink, 3 dead pink 1	st pool above
ITZ. Spawni	ng area: $42 \text{ m}^2 (150^{\circ} \text{x}15^{\circ})$	x20% ASA)	
Species Con	nposition No record,	none observed.	
FII			
Timing Unk	None		
Schooling 8	areas None		
Shellfish B	Potential None		
Sport Figh	mios Beadhla mainhair		
abone prane	eries <u>Possible rainbow</u>		
Land Use at	Present None		
Wigton: of	I and Ugo Toccod in the	no neet probably sithin 5	
niscory of	Land Use Logged In Li	ne past, probably within 5 years.	
Rehabilitat	tion Potential Poor -	- stream too swift to support more t	han a few coho
			- Andrew Control and the State of the State
Soils <u>Banks</u>	mostly rocky, relatively	y stable.	
-			
•			
GAME RESOURCES			
Rean	Fish careages or bono	s (old or fresh) on banks, estimate	
	Number of droppings	o (old or fresh) of banks, estimate	
Geese	Number seen on tide fla	ate	0
deebe	Number seen up creek	105	0
•	Number of broods seen	•	0
Mallards		ata	0
I ECTITOR (ID)	Number seen up creek	100	0
	Number of broods seen		0
Mercansons -	Number of broods seen		
	Number seen along creek	erande de la companya	0
rein regres-	Number of nests seen a		0
Spale	Number of Hests seen at Mumber seen at mouth o		
	Estimate length along 1		1
TIME LIGHT -			0
	Estimate depth out from		0
	Eel grass present on wi	day percent of fiats	U

Station No.  Pool Size/Type  Riffle Type Width-Depth 1.5'D	inuté	5 minute walking intervals		erval		92 -						Temb	7-4	14		
De .	inuté	e walkin	•	erval												÷
De		_	भूगा अ	a Champion Comments	°ł.	Der:	Number: 101-43-16	-16		- Secretary Conference of the	Management of the state of the	weather:	1 1	CLOUGLY	, overcast	ast
D D		7			·											
		2							_							
	W 10.	10.5'W 1.5'D														
Pool Riffle Frequency		د											,			
Bottom Type (Riffle) 5		9												*		
Color/Turbidity		П														
Velocity 2		3								_						
) 52.	m															
O Temp. (°F.) 41	41	H														
9 Hd		9									_			_		
Fry Abundance											_		-			
Benthos Sample No.		asa di nyayahin ilin di sahadi ya sa saka an														
Higher Plant Class	<u> </u>															
Aquatic Veg. 3 Density	-	3										······································		· · · · · · · · · · · · · · · · · · ·		
(1) Mosses (2) Algae 2	,	2														

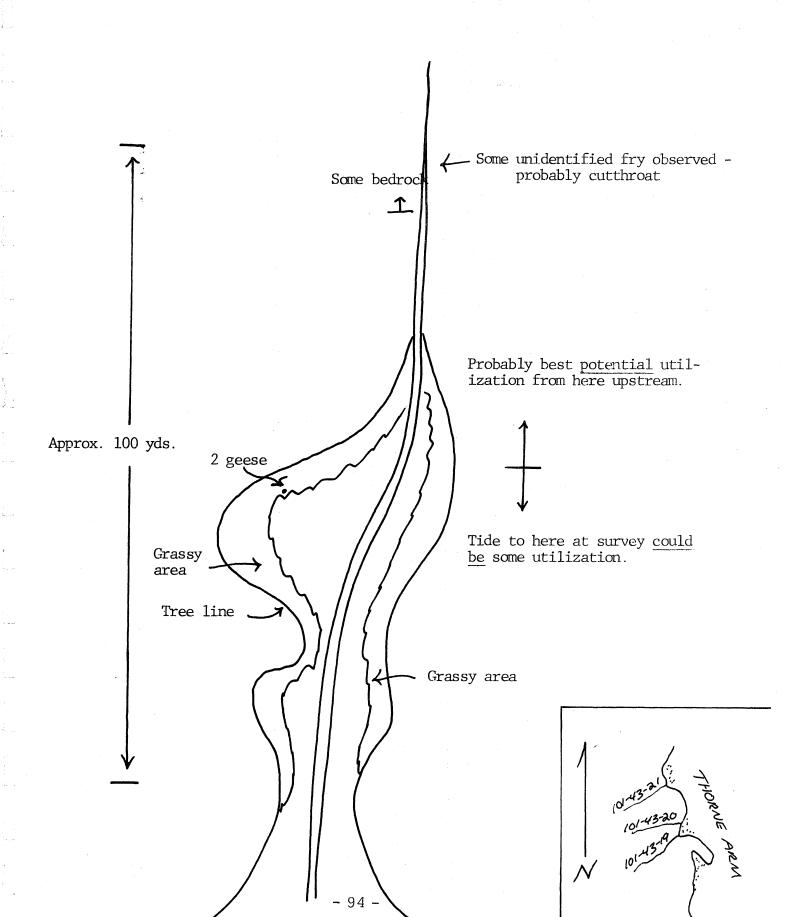
General Remarks (rehab., land use, barriers, log jams, etc.):



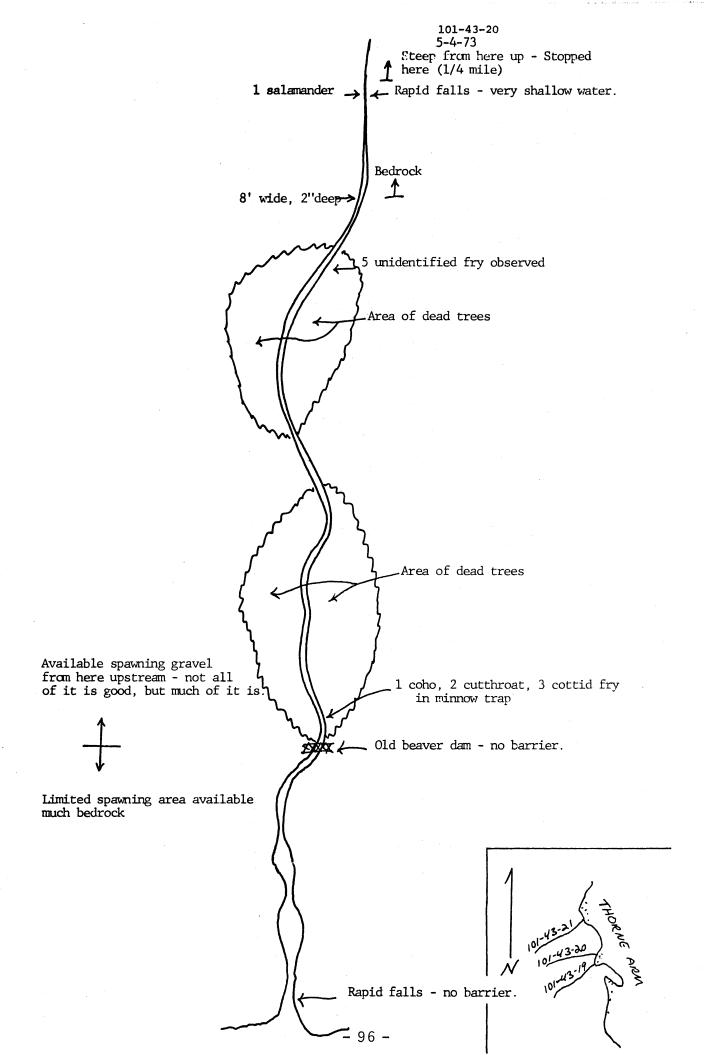
Name		Catalog No.	101-43-18	
Latitude N	55° 21' 36"	WR No.		
Longitude W 13	31° 17' 10"	K No.		
Geodetic Map	No. <u>Ketchikan - B-4</u>		etchikan	
Location W. of	Snipe Islands	Watershed Le	ength 2 miles	
Drainage Area	of Watershed			
	Type Runoff, springs	ration of the six desirate or transfer in the second second second second second second second second second s		<del>region articles a conservate proportion and the State State State State of the Sta</del>
11 0				-
Trails & Surv	ey Routes No existing	trails, must wal	k in stream and along	rocky
banks. Barri	er falls 300 yards upstr	eam. Hard walki	no	
Aerial Survey	Notes Steep banks. B	arrier falls 300	vards unstream	reflective access to the control of the special specia
	500p 505.	<u> </u>	yarao aporteam.	***************************************
Anchorage Off	mouth (rocky I.T.) - so	me protection fr	om Snipe Islands.	
Tide Stage Wh	en Surveyed <b>1st quar</b>	ter of flood		
FISHERY RESOU	RCES			
	Fisheries <u>LOW - 200 p</u>	ink salmon at mo	st - no fry or corose	505
observed.	risheries Low - 200 p.	THE SATINON AL INO	st - no fry of carcas	ses
	None on record o 12 :	72		
angando Fia	None on record. 9-13-7 h in better condition that	3; upstream 35.	live, 25 dead pinks to	bedrock 2
Species Compo	% ASA). <u>5 live</u> pinks in sition: Unknown - no rec	pools above 1st	cascade zed.	and the confidence of the destriction assessment in the property of the confidence o
Timing Unk	nown			
Schooling a				
501.0013.115 &	1000			
Shellfish P	otential None - I.T.	rocky		ور آن خالہ کا آلفیوس ویں سیسیوں میں میومد
~1.0	Tolle III			
Sport Fishe	ries None observed.			
- <del>1</del>				
Land Use at	Drogont None			
History of	Land Use None			- And the state of
·				
Rehabilitat	ion Potential No clea	aring required.		· · · · · · · · · · · · · · · · · · ·
		·		
Soils Steep	banks with some minor do	ownslope movemen	t.	
,				
GAME RESOURCES				
<b>T</b> )		( 7 7 0 1 )		0
Bear	Fish carcasses or bones	(old or fresh)	on banks, estimate	0
	Number of droppings		~	0
Geese	Number seen on tide fla	ts		0
	Number seen up creek			0
	Number of broods seen		-	0
Mallards	Number seen on tide fla	ts		0
	Number seen up creek		·	0
3.0	Number of broods seen		_	0
-	Number of broods seen			0
Bald Eagles-	Number seen along creek		·	0
<b>C1 7</b>	Number of nests seen an			0
•	Mumber seen at mouth of			U
Tide flats -	Estimate length along t		·	U
•	Estimate depth out from		_	U
	Eel grass present on wh	at percent of fl	Lats	0

			STREAM INV	STREAM INVENTORY FORM	Observers: Dinneford, Downey Date: 5-5-73
			Name:		ure: 48
	10 #	inute	10 minute walking intervals Number:	101-43-18	Weather: Cloudy, rain
Station No.	Н	2			
Pool Size/Type	0	1			
Riffle Type Width-Depth	22'W 1'D	14'W 1'D			
Pool Riffle Frequency	3	3			
Bottom Type (Riffle)	4	9/5			
Color/Turbidity	-				
Velocity	2	3			
Flow (C.F.S.)	28.5				
Temp. (°F.)	07	077			
Hq	2				
Fry Abundance					
Benthos Sample No.	-	1			
Higher Plant Class		Н			
Aquatic Veg.	2	2			
Density Ident. (1) Mosses (2) Algae	7	2			

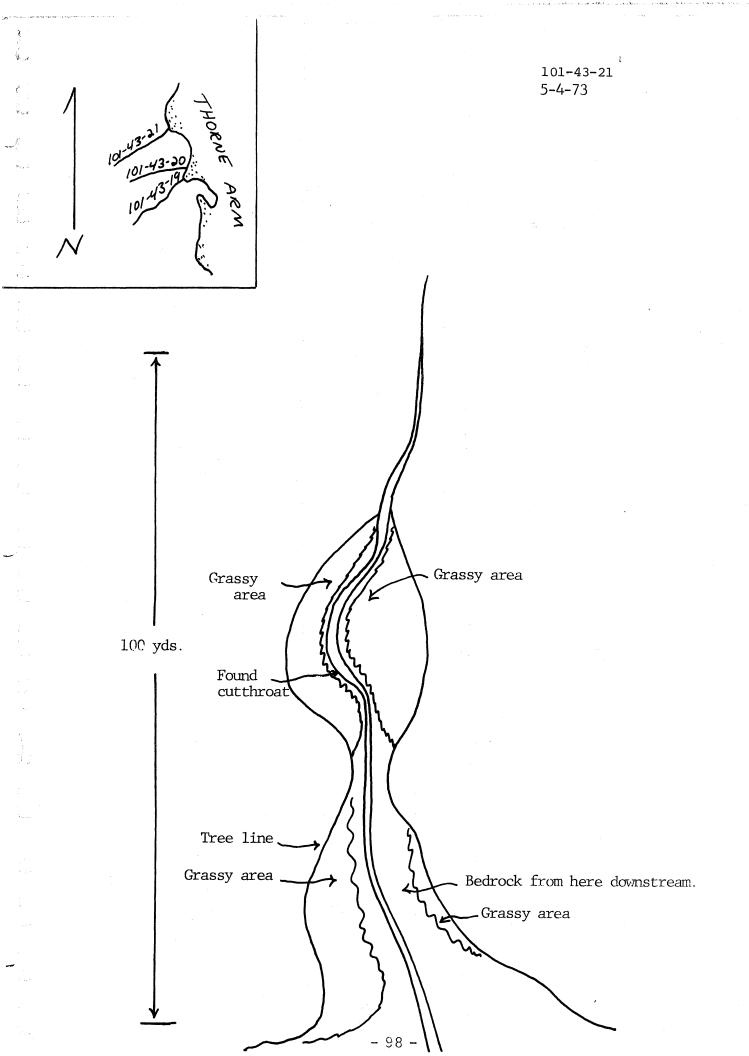
General Remarks (rehab., land use, barriers, log jams, etc.):



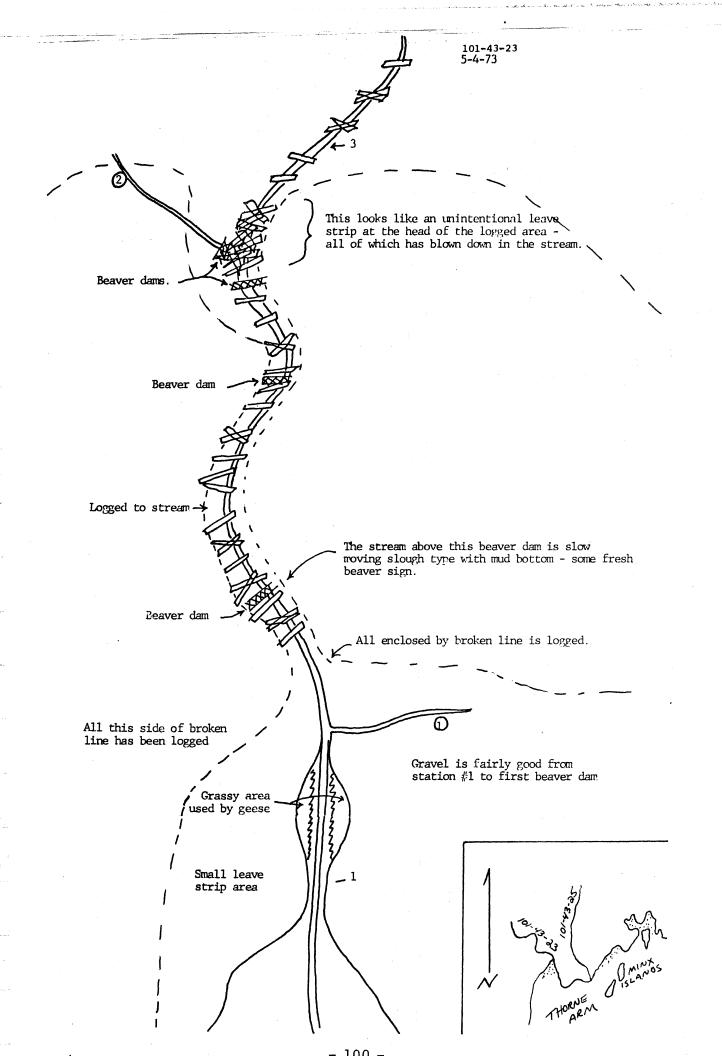
Drainage Area of Watershed Water Supply Type Precipitation  Trails & Survey Routes Easy walking in stream.  Acrial Survey Notes Stream too small to be of much utilization.  Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood  FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' fails. Limited spawning/rearing potential.  Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  CAME RESCURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name	Catalog No
Geodetic Map No. Ketchikan - B-4 Location N.W. of Snipe Is. 1 mile Drainage Area of Watershed Water Supply Type Precipitation  Trails & Survey Routes Easy walking in stream.  Acrial Survey Notes Stream too small to be of much utilization.  Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood  FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential.  Species Composition Unknown  Schooling areas None  Shellfish Fotential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Fotential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESCURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate on Number of droppings Geese Number seen on tide flats Number of broods seen  Mallards Number seen on tide flats Number of broods seen  Mallards Number seen on tide flats Number of broods seen Pald Eagles Number seen along creek Number of broods seen Pald Eagles Number seen along creek Number of broods seen Pald Eagles Number seen along creek Number of broods seen Pald Eagles Number seen along creek Number seen a	Latitude N 55° 22' 15"	WR No.
Drainage Area of Watershed Water Supply Type Precipitation Trails & Survey Routes Easy walking in stream.  Acrial Survey Notes Stream too small to be of much utilization.  Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 21 falls. Limited spawning/rearing potential. Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  CAPE RESOURCES  Bear —— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings Geese —— Number seen up tide flats 2 Number seen up creek 0 Number of broods seen 0 Number seen up creek 0 Number seen along creek 0 Num	Longitude W 131° 17' 18"	K No.
Drainage Area of Watershed Water Supply Type Precipitation Trails & Survey Routes Easy walking in stream.  Acrial Survey Notes Stream too small to be of much utilization.  Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 21 falls. Limited spawning/rearing potential. Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  CAPE RESOURCES  Bear —— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings Geese —— Number seen up tide flats 2 Number seen up creek 0 Number of broods seen 0 Number seen up creek 0 Number seen along creek 0 Num	Geodetic Map No. Ketchikan - B-4	Work Area <u>Ketchikan</u>
Water Supply Type Precipitation  Trails & Survey Routes Easy walking in stream.  Aerial Survey Notes Stream too small to be of much utilization.  Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood  FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks: 25 dead pinks up to 2' falls. Limited spawning/rearing potential. Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  CAME RESOURCES  Bear — Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Hocachen N.W. of Shipe is. I mile	
Trails & Survey Notes		
Trails & Survey Routes	water Supply Type Precipitation	
Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood  FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential.  Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESCURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 Number of droppings 0 Number seen up creek 0 Num	Trails & Survey Routes Easy wal	
Anchorage Between Minx Islands and mouth  Tide Stage When Surveyed 2nd half of flood  FISHERY RESOURCES Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential.  Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESCURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 Number of droppings 0 Number seen up creek 0 Num		
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FISHERY RESOURCES  Commercial Fisheries Limited value: 50 yards spawning gravel.  Escapement None on record, 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential.  Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear ——— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Anchorage Between Minx Islands and	mouth
Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential. Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 Number seen on tide flats 2 Number seen on tide flats 0 Number seen of broods seen 0 Number seen of broods seen 0 Number of nests seen along creek 0 Number of nests seen along creek 0 Number seen alon	Tide Stage When Surveyed 2nd	half of flood
Escapement None on record 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential.  Species Composition Unknown  Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 O O O O O O O O O O O O O O O O O O		
Species Composition Unknown   Species Composition Unknown   Shellfish Potential None   Shellfish Potential None   Sport Fisheries   Cutthroat	Commercial Fisheries Limited	value: 50 yards spawning gravel.
Species Composition Unknown  Timing Unknown Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear ——— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 Number seen on tide flats 2 Number seen up creek 0 Number of broods seen  Mallards —— Number seen up creek 0 Number of broods seen 0 On Number of broods seen 0 On Number of broods seen 0 On Number seen up creek 0 Number of broods seen 0 On Number seen up creek 0 On Number of broods seen 0 On Number seen along creek 0 On Number seen along creek 0 On Number seen along creek 0 On Number seen at mouth of stream 0 On Seals —— Number seen at mouth of stream 0 On Estimate depth out from beach 0 On Sestimate On Sestimate Description of Sestimate Descript	Escapement None on record 9-1	3-73; upstream 5 live pinks; 25 dead pinks up to
Timing Unknown Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear —— Fish carcasses or bones (old or fresh) on banks, estimate Number of droppings Onese Number seen up creek Number seen up creek Number of broods seen Onese Number seen up creek Number seen up creek Number seen up creek Onese Number of broods seen Onese Number of heads seen Onese Number of nests seen and location Onese Seals — Number seen at mouth of stream Onese Seals — Number seen at mouth of stream Onese Seals — Stimate Length along beach Onese Seath Onese Seals — Stimate Length along beach Onese Seals — Stimate Length along beach Onese Seals — On	2' falls. Limited spawning/rearin	q potential.
Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear	Species Composition Unknown	
Schooling areas None  Shellfish Potential None  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear	Timing Unknown	
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Land Use at Present None  History of Land Use None  Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 O Seese Number seen on tide flats 2 Number seen up creek 0 Number of broods seen 0 O Seese 0 O S		
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Rehabilitation Potential None required.  Soils Stable; bedrock at upper end of surveyed area.  GAME RESOURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 ONumber seen on tide flats 2 Number seen up creek 0 Number of broods seen 0 ONumber of broods seen 0 ONumber seen on tide flats 0 ONumber seen up creek 0 ONumber seen up creek 0 ONumber seen up creek 0 ONumber of broods seen 0 ONumber seen along creek 0 ONumber of nests seen and location ONumber seen at mouth of stream 0 ONUmber seen seen 0 ONUmber seen at mouth of stream 0 ONUmber seen stream 0 ONUmber seen seen seen seen seen seen seen se	History of Land Use None	
GAME RESOURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 O Number seen on tide flats 2 Number seen up creek 0 O Number of broods seen 0 O Number seen up creek 0 O Number of broods seen 0 O Number seen along creek 0 O Number seen along creek 0 O Number seen at mouth of stream 0 O Tide flats - Estimate length along beach 0 O Estimate depth out from beach 0 O		
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GAME RESOURCES  Bear Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 0 Number seen on tide flats 2 Number seen up creek 0 Number of broods seen 0 Number seen on tide flats 0 Number seen up creek 0 Number of broods seen 0 Number seen along creek 0 Number seen along creek 0 Number seen along creek 0 Number seen at mouth of stream 0 Number seen at mouth of stream 0 Seals Number seen at mouth of stream 0 Seals Estimate length along beach 0 Estimate depth out from beach 0	Codia Challas hadaaala ah sanaa	-1 -61
Bear Fish carcasses or bones (old or fresh) on banks, estimate Number of droppings  Geese Number seen on tide flats Number seen up creek Number of broods seen  Mallards Number seen on tide flats Number seen up creek Number seen up creek Number of broods seen  Mergansers Number of broods seen  Mergansers Number of broods seen  Bald Eagles Number seen along creek Number of nests seen and location  Seals Number seen at mouth of stream  Tide flats Estimate length along beach Estimate depth out from beach  O  O  O  O  O  O  O  O  O  O  O  O  O	Solis Stable; bedrock at upper e	nd of surveyed area.
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Number of droppings  Geese  Number seen on tide flats  Number seen up creek  Number of broods seen  Mallards  Number seen on tide flats  Number seen on tide flats  Number seen up creek  Number of broods seen  Mergansers  Number of broods seen  Mergansers  Number of broods seen  Number of broods seen  Number of broods seen  O  Reald Eagles  Number seen along creek  Number of nests seen and location  Seals  Number seen at mouth of stream  Tide flats  Estimate length along beach  Estimate depth out from beach  O	Rear Fish carcasses or ho	ones (old or fresh) on banks estimate
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Mergansers -Number of broods seen0Bald Eagles-Number seen along creek0Number of nests seen and location0SealsNumber seen at mouth of stream0Tide flats -Estimate length along beach0Estimate depth out from beach0		
Bald Eagles-Number seen along creek0Number of nests seen and location0SealsNumber seen at mouth of stream0Tide flats -Estimate length along beach0Estimate depth out from beach0		
Number of nests seen and location 0 Seals Number seen at mouth of stream 0 Tide flats - Estimate length along beach 0 Estimate depth out from beach 0		
Seals Number seen at mouth of stream  Tide flats - Estimate length along beach Estimate depth out from beach  0 0 0		
Tide flats - Estimate length along beach Estimate depth out from beach  O  O		· · · · · · · · · · · · · · · · · · ·
Estimate depth out from beach 0		
		6 555.51
Eel grass present on what percent of flats 0	- · · · · · · · · · · · · · · · · · · ·	The state of the s



Latitude N. 55° 22' 22"  Longitude W. 131° 17 18"  Rededtic Map No. Ketchikan B-4  Location W. of Mink 1s. Infile  Drainage Area of Natershed  Mater Supply Type Precipitation  Frails & Survey Routes Waiked stream 1/4 mile, easy walking.  Aerial Survey Rotes Short stream, low trees allow good visibility.  Anchorage Between Minx Islands and mouth.  Fide Stage When Surveyed 2nd hald of flood  FISHERY RESOURCES  Commercial Fisheries One coho fry in minnow trap 200 yerds upstream.  Escapement No record. 9-13-73; upstream 95 live pinks to bedrock slide. (approx. 660'x2'x 408 ASA) Spawning area = 221 m².  Species Composition Coho  Timing No record  Schooling areas None  Shellfish Fotential None  Shellfish Fotential None  Shellfish Fotential None  Rehabilitation Potential Stream small, no debris in 1/4 miles length of creachable stream.  GAME RESOURCES  Rear ————————————————————————————————————	Latitude N.	WR NO	
Mork Area Kerchikan B-4   Matershed Length 1 mile		55° 22' 22'' WA NO.	
Mater Supply Type   Precipitation   Matershed   Mate	Goodetic Man	No washing R & Work Area Vot.	
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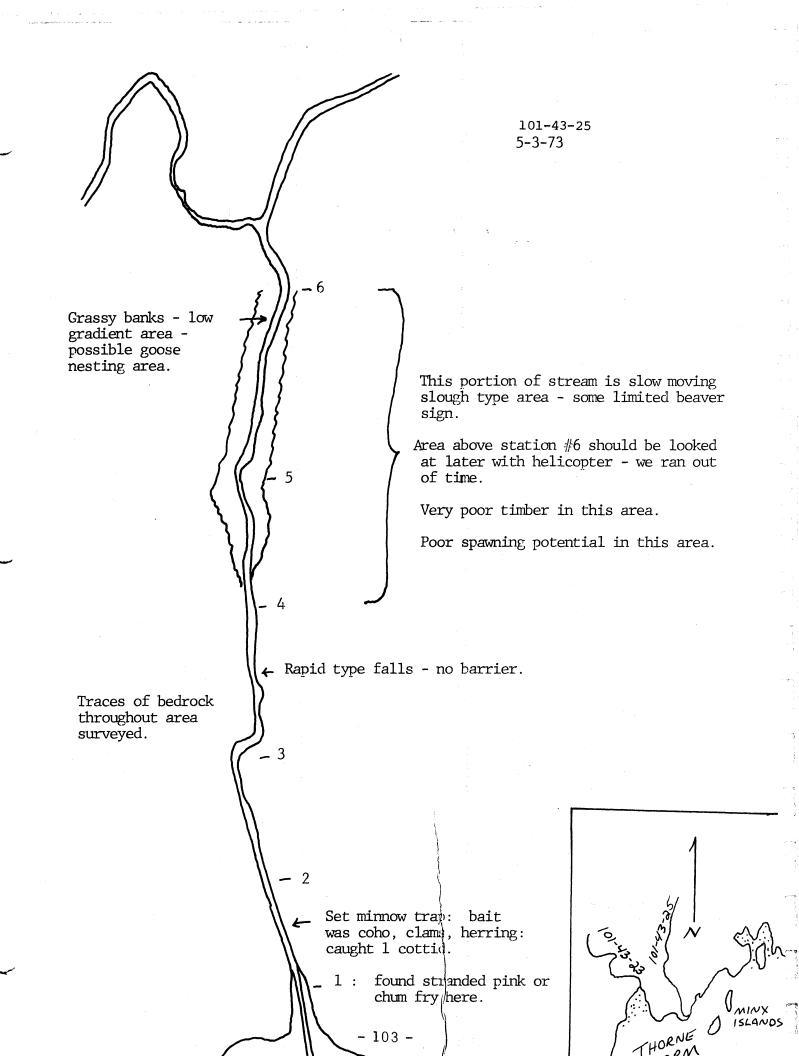
Latitude K No.  Geodetic Map No. Ketchikan - B-6 Work Area Ketchikan Location W, Head of Thorne Arm Drainage Area of Matershed Watershed Length 1/2 mile Drainage Area of Matershed Watershed Length 1/2 mile Mater Supply Type Precipitation  Trails & Survey Routes Walking in stream not difficult  Aerial Survey Notes Poor timber allows fair visibility in lower stretch, very stream of minimal value.  Anchorage Off mouth west of Minx Islands  Tide Stage When Surveyed high tide FISHERY RESOURCES Commercial Fisheries Coho use minimal  Escapement None on record. 9-13-73; 9 carcasses on grass flats. (250'x8'x30x'830x'830 Spaming area 56 m². Species Composition None observed  Timing No record Schooling areas None  Shellfish Potential None, I.T. bedrock.  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required at present.  Soils Stable, producing scrubby timber in lower stretches.  GAME RESOURCES  Bear Pish carcasses or bones (old or fresh) on banks, estimate One Number of crocopings One Number seen on tide flats One Number of broods seen One Number of seen One of Seeals One Number seen of Seeal One	Latitude Kno. Geodatic Map No. Ketchikan - B-4 Work Area Retchikan Location W, Head of Thorne Arm Watershed Length 1/2 mile Drainage Area of Watershed Watershed Length 1/2 mile Drainage Area of Watershed Watershed Length 1/2 mile Water Supply Type Precipitation  Trails & Survey Notes Walking in stream not difficult  Aerial Survey Notes Poor timber allows fair visibility in lower stretch, very stream of minimal value.  Anchorage Off mouth west of Minx Islands  Tide Stage When Surveyed high tide  Tide Stage When Surveyed high tide  Tisher RESOURCES Commercial Fisheries Coho use minimal  Escapement None on record. 9-13-73; 9 carcasses on grass flats. (250'x8'x30'x30'x38) Spawning area 56 m². Species Composition None observed  Timing No record Schooling areas None  Shellfish Potential None, 1.T. bedrock.  Sport Fisheries Cutthroat  Land Use at Present None  History of Land Use None  Rehabilitation Potential None required at present.  Scils Stable, producing scrubby timber in lower stretches.  GAME RESOURCES  Bear Pish carcasses or bones (old or fresh) on banks, estimate Only Mumber of droupings Geese Number seen on tide flats Number seen up creek Number seen up creek Number seen up creek Number seen up creek Number of broods seen Only Marber seen up creek Number of broods seen Only Carter Only Streem Only Carter Only Streem Only Carter On	Name		Catalog No.	
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Seals Number seen at mouth of stream 0  Tide flats - Estimate length along beach 0	Seals Number seen at mouth of stream 0  Tide flats - Estimate length along beach 0	Bald Eagles-			0
Tide flats - Estimate length along beach 0	Tide flats - Estimate length along beach 0				0
		Seals	Number seen at/mouth of	stream	0
The desired to the state of the	Estimate depth out from beach	Tide flats -			
			Estimate depth out from		0
Eel grass present on what percent of flats 0	Eel grass present on what percent of flats 0		Eel grass present on wha	at percent of flats	0



Name	•	Catalog No. 10	1-43-23	
Latitude N	55° 23' 26"	WR NO.		
Longitude w 13	31° 17' 3"	1/ 1/0 •		
Geodetic Map 1	No. <u>Ketchikan - B-4</u>	Work Area Ketchik	an	
Location w. of	Mink Islands	Watershed Length	1-1/4 miles	
Drainage Area	of Watershed			
water suppry .	Type Runoff			the state of the s
Trails & Surve	ey Routes Walk in strea	m. difficult realleine	on societ of th	- 1 a m = 0
number of logs.	trees in stream.	im, diritcutt warking	on account of th	e rarge
Aerial Survey	Notes		malayarinto en un'a mitri de sa desa mentena qua mitri de manarente anque que el redere e familie e maja en eq	
Anchorage Off	mouth, west of Minx Isla	inds.	· Processing the contract of t	
Tide Stage Who	en Surveyed 2nd half d	1 1400d		
FISHERY RESOU		•		
Commercial 1	Fisheries <u>None, appare</u>	ntly 100% unproducti	ve	
Escapement_	None on record 9-12-73	: ITZ 25 live pinks.	upstream 50 live	pinks to
beaver dam, n	o carcasses. Spawning ar	ea: 195 m² (200'x21	'x50% ASA)	
Species com	position No fry obser	ved, no record		<del></del>
Timing N/A	4 1 2	<del></del>		
Schooling a	reas None			
Shellfish P	otential None			
	· · · · · · · · · · · · · · · · · · ·			
Sport Fishe:	ries None			
Land Use at	Present None			
Higtony of	Land Use Logged along s	troom within last E	40 10	
nistory or	Land Obe Logged along s	cream within tast )	to 10 years.	
Rehabilitat	ion Potential Many log	s could be removed b	ut with low veloc	itv
rehabilitation,	it would take many years	•	GC WICH TOW VCTOC	111
	vely low gradient; some of		s occurred where,	trees
were cut at wa	ter line.	· •		
	<b>'</b>			
GAME RESOURCES				
Roon	Fish carcasses or bones	(ald on frach) on ha	nlea catimoto	0
real	Number of droppings	(Old Of Itesii) Oil ba	ins, estimate	0
Geese	Number seen on tide flat	S		0
	Number seen up creek			0
• •	Number of broods seen			0
Mallards	Number seen on tide flat	S		0
	Number seen up creek		ALC:	0
	Number of broods seen			0
	Number of broods seen			0
Baid Eagles-	Number seen along creek			0
Canla	Number of nests seen and			0
	Number seen at mouth of Estimate length along be			50
1170G 11902 -	Estimate depth out from			25'
	Eel grass present on wha			0
	mem Success Drawing Off Affic	A Mor come or Trans		

						STI	REAM II	NVENTOF	STREAM INVENTORY FORM	tie		OA	Observers: Date:		Downey,	Dinneford	ford
						Nar	Name:		-			H	Temperature:	ture:	92		-
		10 min	10 minute walking intervals	lking .	interv		Number:	101-43-23	3-23			<b>S</b>	weariner:	· CTondy		Overcasi	
	Station No.	П	2	3							·						
	Pool Size/Type	0	<b>, —  </b>	H				-									
	Riffle Type Width-Depth	20.5'W 4'D	31'W 4'D	25'W 3'D							·						
	Pool Riffle Frequency	3.	H	H				*									
· ·	Bottom Type (Riffle)	4	3/2/4	1/2													
	Color/Turbidity	Н	3	3			7										
	Velocity	2	Т	Н													
- T	Flow (C.F.S.)	4.8															
<i></i> -	. Temp. (°F.)	47	74	47													
,	Hd .	5	5	5													
	Fry Abundance											ř	:				
	Benthos Sample No.	Н															
6 6	Higher Plant Class	1/2	2	2								and Make Affect and all the acceptance of					
	Aquatic Veg.	2	2	2									·				
	Ident. (1) Mosses (2) Algae	2	2	2			<del>.</del>										
	ks	(rehab.,	5	land use, barrier	arrie	ິດ	log jams,	etc.):	••								

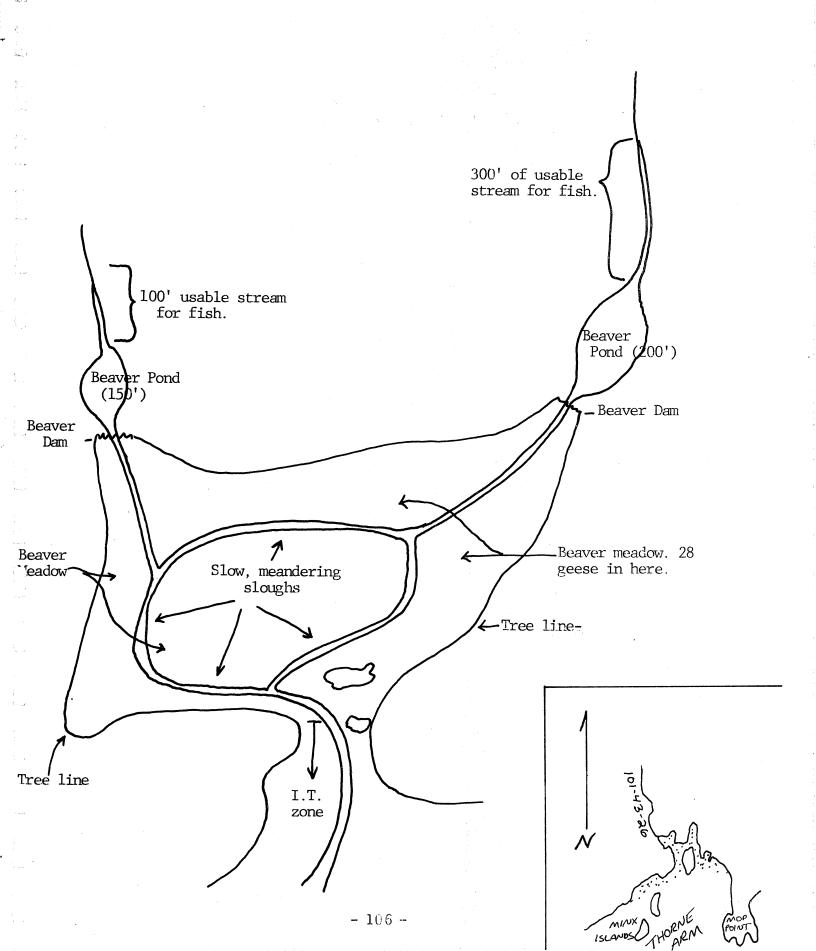
General Remarks (rehab., land use, barriers, log jams, etc.):



Name	Catalog No. 101-43-25
Latitude <u>N 55° 23' 16"</u> Longitude <u>W 131° 16' 13"</u>	WR No.
Longitude W 131° 16' 13"	17 170 •
Geodetic Map No. Ketchikan - B-4	Work Area <u>Ketchikan</u>
Location N.W. of Mink Islands	Watershed Length 2 miles
Drainage Area of Watershed	
Water Supply Type Muskeg, ponds.	
	am to walk as grass lines most of the banks.
Aerial Survey Notes	
Anchorage Between mouth and Mink Isl	Lands.
Tide Stage When Surveyed 2nd ha	alf of flood
FISHERY RESOURCES	
	limited pink, chum, or coho utilization.
Escapement None on record. Spawni	ng area: very limited information available.
9-12-73; water very dark, ITZ - 5 li	ve pinks, upstream 5 live p., w/in 100 yds of HTI
Species Composition 1 pink fry a	at high IT., 2 coho fry in minnow trap at
station #4.	
Timing No record	
Schooling areas None	
Shellfish Potential None	
Sport Fisheries Cutthroat	
Land Use at Present NONE	
History of Land Use None	
history of hand ose none	
Rehabilitation Potential None	required.
Soils Very stable banks. Expect	no problems at all.
CANTE DEGOTTOGE	
GAME RESOURCES	
Bear Fish carcasses or bone Number of droppings	es (old or fresh) on banks, estimate 0
Geese Number seen on tide fl	Lats
Number seen up creek	
Number of broods seen	0
Mallards Number seen on tide fl	
Number seen up creek	0
Number of broods seen	0
Mergansers - Number of broods seen	0 -k 1
Bald Eagles- Number seen along cree Number of nests seen a	
Seals Number of nests seen a	
Tide flats - Estimate length along	
Estimate depth out from	
Eel grass present on v	

Station No.   1   2   3   4   5   6						SII :	REAM II	NVENTO	STREAM INVENTORY FORM			Observ Date:	Observers: Downey, Date: 5-3-73	Downer -3-73	y, Dinn	Dinneford
The object of the color of the		10 min	1,000 tv	יוָר סָתוָּי	terrel		ne:nher.	-7-101	-25			Tempe Weath	日世	Enroy Truny		
The O 2 1 3 4 5 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, A	2		o '												
Tr.5'W11.5'W20'W       17'W       12'W       10'W         6'D       9'D       7'D       30'D       2'D       6'D         3       3       3       2       1       1         4       4/6       4/6       4/6       4/1       4/1         4       4/6       4/6       4/6       4/1       4/1         4       4/6       4/6       4/6       4/1       4/1         9       2       2       3       3       3         9       6       6       6       6       6       6       6         1       45       45       45       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       7       7       7	clon No.	П	2	3	4	2	9			1				-		
dity 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	l Size/Type	0	7	<b>;</b>	3	1	1									
dity 2 2 2 3 3 3  4 4/6 4/6 4/6 4/1 4/1  2 2 2 2 2 1  9 2 2 2 2 1  6 6 6 6 6 6 6 6  1 6 6 6 6 6 6 6  1 7 800 800 800 800 800 800 800 800 800 8	fle Type th-Depth	17.5'W 6'D	11.5 V	1	17'W 30'D	12'W 2'D	10'W 6'D			·						
dity 2 2 2 3 3 3 2 2 2 2 1 3 4 4/6 4/6 4/6 4/1  2 2 2 2 2 1  45 45 45 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	l Riffle quency	3.	က	സ	2	-	-				7					
dity 2 2 2 3 3 3  2 2 2 2 2 1  45 45 45 6 6 6 6 6 6 6 1	tom Type ffle)	4	9/4	9/4	9/4	4/1	4/1									
2 2 2 2 1 45 45 45 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	or/Turbidity	2	2	2	3	3	3									
.) 9 45 45 6 6 6 6 6 6 1 6 6 6 6 6 6 6 6 6 6 6 6	ocity	2	2	2	2	П	1									
te de	w (C.F.S.)	6														
6 6 6 6 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1	p. (°F.)	45	45	45												1
Idead     4 un- 2 by IT       pk IT     known coho       1     2       2     2       3     2       1     1       3     2       1     1       1     1		9	9	9	9	9	9				·					1
so No. 1 2 2 2 2/3 2/3  c. Veg. 3 2 2 1 2  tht. Mosses 1 1 1 1 1 1 1	Abundance	1dead pk IT		4 um- known												
c Veg. 3 2 2 2/3 2/3 c Veg. 3 2 2 1 2 it. Mosses 1 1 1 1 1	thos ple No.	H	•		·				·	·	÷					
3 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	her Plant iss	2	5	2	2/3	2/3	2/3									
	atic Veg. sity dent	က	2	2	Н	2	2									
	1) Mosses 2) Algae	Н	F	-	-	Н										

General Remarks (rehab., land use, barriers, log jams, etc.):



Name Latitude N 5		
Longitude W 1	5° 23' 58"	Catalog No. 101-43-26 WR No.
HOLLSTOUGE W 13	1° 15' 27"	K No.
Geodetic Map	No. Ketchikan - B-4	Work Area Ketchikan
Location North	of Mink Is. & Mop Pt.	Watershed Length <u>1 mile</u>
Drainage Area	of Watershed	
Water Supply	Type Muskeg, runoff.	
		T. meadow, easily walked. Short walk to end
of usuable stream	Notes 300 foot of week!	e stream in #3, 100 feet in #4, open meadow
easily visible fr	notes 300 feet of usabl	e stream in #3, 100 feet in #4, open meadow
	rocks beyond intertidal.	
111101101 060	Tools boyond Intertitude.	
Tide Stage Wh	en Surveyed One hour	before high.
FISHERY RESOU		
		rd, no commercial specier observed.
Oommer e Lair	T T SHOT TO B	The state of the s
Escapement	None on record. 9-12-	73; 50 live pinks below beaver dams. Limited
spawning and	rearing area at this time	due to beaver dams.
Species Com	position 12 hour minnov	trap sets caught 0 in #3, stickleback and
cottids in #4	•	
Timing N/A		
Schooling a	reas <u>Potential schoolir</u>	g in beaver ponds if upper stretch of stream
utilized.		
Shellish P	otential <u>Rocky flats be</u>	low meadow, low clam producing area.
Sport Figho	ries None, water sluggi	ah
phore right	None, water stuggi	SII
Land Use at	Present None	
History of	Land Use None	
		anoth of atroom would not avalify
Rehabilitat	ion Potential Short I	ength of stream would not qualify .
	***	
	***	rge meadow productive for waterfowl.
	***	
Soils Low g	***	
Soils Low g	radient, very stable. La	rge meadow productive for waterfowl.
Soils Low g	radient, very stable. La	rge meadow productive for waterfowl.  (old or fresh) on banks, estimate0
Soils Low g  GAME RESOURCES  Bear	radient, very stable. La  Fish carcasses or bones  Number of droppings	rge meadow productive for waterfowl.  (old or fresh) on banks, estimate 0
Soils Low g	radient, very stable. La  Fish carcasses or bones Number of droppings Number seen on tide flat	(old or fresh) on banks, estimate  0 0 28
Soils Low g  GAME RESOURCES  Bear	radient, very stable. La  Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek	(old or fresh) on banks, estimate  0 0 28 0
Soils Low &  GAME RESOURCES  Bear  Geese	radient, very stable. La  Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen	(old or fresh) on banks, estimate
Soils Low g  GAME RESOURCES  Bear	radient, very stable. La  Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen on tide flat	(old or fresh) on banks, estimate  0 0 28 0 0 7
Soils Low g  GAME RESOURCES  Bear  Geese	radient, very stable. La  Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen on tide flat Number seen up creek	(old or fresh) on banks, estimate  Solution of the serious of the
Soils Low g  GAME RESOURCES  Bear  Geese  Mallards	radient, very stable. La  Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number of broods seen	(old or fresh) on banks, estimate  O  S  28  O  7  O  0
Soils Low g  GAME RESOURCES Bear Geese Mallards Mergansers -	Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number of broods seen Number of broods seen Number of broods seen	rge meadow productive for waterfowl.  (old or fresh) on banks, estimate  0 0 28 0 7 0 0 0 0 0
Soils Low g  GAME RESOURCES Bear Geese Mallards Mergansers -	Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number of broods seen Number of broods seen Number of broods seen Number of broods seen Number seen along creek	(old or fresh) on banks, estimate       0         0       0         28       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0
GAME RESOURCES Bear Geese Mallards Mergansers Bald Eagles-	Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number of broods seen Number of broods seen Number of broods seen	(old or fresh) on banks, estimate  (old or fresh) on banks, estimate  0 0 28 0 0 0 0 0 0 1 location
GAME RESOURCES Bear Geese Mallards Mergansers Bald Eagles-	Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number of broods seen Number of broods seen Number of broods seen Number of broods seen Number seen along creek Number of nests seen and Number seen at mouth of	(old or fresh) on banks, estimate  (old or fresh) o
GAME RESOURCES Bear Geese Mallards Mergansers Bald Eagles-	Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number of broods seen Number of broods seen Number of broods seen Number of broods seen Number seen along creek Number of nests seen and	(old or fresh) on banks, estimate  (old or fresh) o
GAME RESOURCES Bear Geese Mallards Mergansers Bald Eagles-	Fish carcasses or bones Number of droppings Number seen on tide flat Number seen up creek Number of broods seen Number seen up creek Number seen up creek Number seen up creek Number of broods seen Number of broods seen Number of broods seen Number of nests seen and Number seen at mouth of Estimate length along be	(old or fresh) on banks, estimate  (old or fresh) o

LOCATION:

W. George In., .7 miles south of head

of Leask Cove

101-45-30 R.Larson

WATERSHED:

length 1-1/2 miles, area 2-1/2 miles

Air temp. 57°F.

STREAM DATA:

source - runoff. Air temp. pH 7,75, 50°F, 17' width, clear,

SPAWNING:

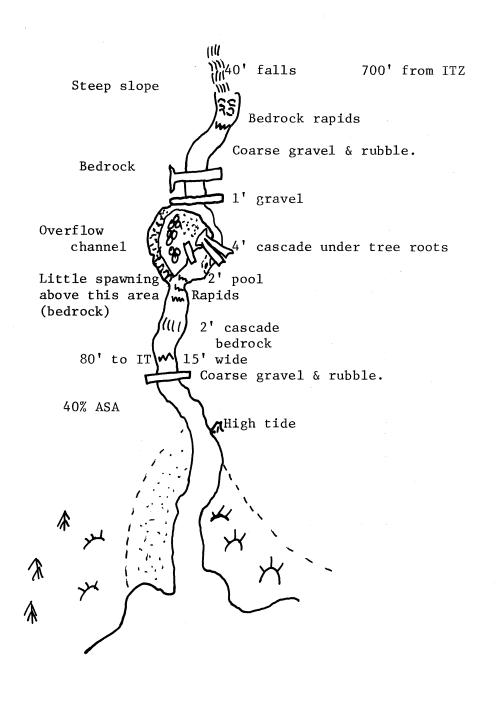
 $60 \text{ m}^2 \text{ (100'x15'x40\% ASA)}$ 

REARING:

Poor rearing area.

SLOPE:

Gentle on north side, steep on south.



3	•	0 / 7 37		
Name Leask Cre	ek	Catalog No	101-45-32	
Latitude	1 55° 30' 35"	WR No. 89	A	
Longitude V	eek N 55° 30' 35" V 131° 30' 54"	11 110 • 70		
acoucouro map i	10. Recentran o 3	Work Area Watershed Leng	Ketchikan	
Location NW hea	ad of George Inlet	Watershed Leng	un 3.5 miles	
Drainage Area				
water Supply '	Type Lakes located 2.3	miles upstream.		and the second s
m				
	ey Routes <u>Easy walki</u>	ng – game trail int	ermittent, walking	g okay along
streambed.				and the second s
Aerial Survey	Notes Good aerial v	isibility chances a	long upper length	surveyed.
Anchorage No	orth shore of cove offers	fair anchorage; 10	-15 fathoms; sand	and gravel
bottom.				
Tide Stage Whe	en Surveyed <u>1st h</u> a	alf of flood.	* *** ********************************	
FISHERY RESOUR	RCES			
	Fisheries Pink, sockey	ze ·		
			<b>Manthiassis alpusis alternation operation that alternations are placed in problem, as the 1973 temple, canad</b>	the section of the se
Escapement 1	1940 - 2000 pink; '41 - 50	000 pink: '47 - 375	pink, 8 chum: '4	9 - 420 pink.
7 chum, '55 - 1	1000 red; '56 1500 pink, I	1500 chum: '57 - 40	0 sockeve.	
	: 9197 m ² (5000'x30'x66%			
	sition: 90% pink, 5% chu			
Timing Tate	reas Schooling in wir			the state of the s
Schooling a	reas Schooling in wir	dfall pools only:	especially just a	bove Station
#3.		, , , , , , , , , , , , , , , , , , ,	200020227 1.002 0.	
Shellfish Po	otential <u>None - int</u> e	ertidal rocky.		Tamina dadi nya ngajir nililikan ana ni kisinga Mijingi pilipangan yang yang yang yang yang yang yang
				iti residenti jalaitet jalaitet kuutilla, marailla ja vasta kuun aysitti ja kuun ja maja ja kanaan kuun ja ka
Sport Fishe:	ries Good steelhead	l/rainbow; cutthroa	t.	The Control of the Co
•				والمراوية
Land Use at	Present None			
	· ·			
History of	Land Use None. Cabi	in located on north	shore of cove.	" Andrew of the Control of the Contr
Rehabilitat	ion Potential No re	ehab. work required	. Access for coh-	o and sockeye
only above Sta	ation #3.			
Soils Gener	cally very level and stab	le. Small amount o	f downslope movem	ent at
Station #3.				
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on	canks, estimate	0
	Number of droppings			40
Geese	Number seen on tide flat	S		0
	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide flat	SS		0
	Number seen up creek			0
	Number of broods seen			0
2.	Number of broods seen			0
Bald Eagles-				15
	Number of nests seen and			0
	Number seen at mouth of			0
Tide flats -	Estimate length along be	each		0
	Estimate depth out from			0
	Fel orgas present on who			0

Leask Creek 101-45-32

101-45-32				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-10-40	2,000			1000 fish off mouth.
9-28-41	15,000			
10-5-47	375	8		
9-16-49	417	6		
9-6-53			coho, red present.	Few fish in stream.
7-28-55			1000 red	
eason '56	1,500	1,500		Season, by stream guard.
7-5-57			400 reds.	
6-21-61				None observed.
8-26-62				30 @ mouth, 400 in bay.
8-8-63				200 @ mouth. Poor vis - good showing off mouth. N.O. I.T.
7-20-64				I.T. survey only. Vis. poor.
7-27-65	•			Jumps at mouth. Vis. fair.
8-10-66				500 @ mouth. Poor vis.
8-19-68				2000 @ mouth, vis good @ mouth.
8-4-69				N.O.
8-25-70				5000 @ mouth. Vis. excellent.
7-10-74				2 @ mouth. Visibility good.
			- 166 -	

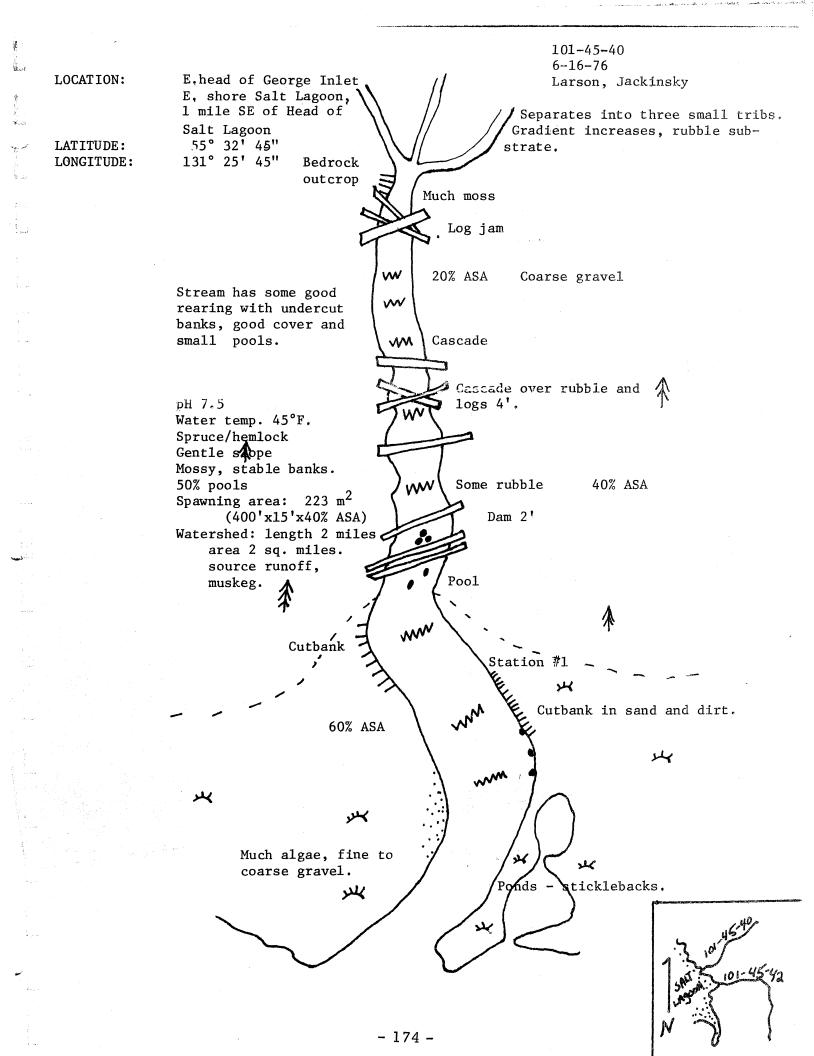


SALT CREEK, ITZ.

miles above top of intertidal area. Virtu	Catalog No: 101-45-38 Former Stream No: K96, Previous No. 90  Work Area: Ketchikan Watershed Length: 7 miles Drainage Area: 15 sq. miles Water Supply Type: 2 lakes, small ponds muskeg, runoff Ortion easily surveyed by skiff. F. 11s. 2 mally all spawning intertidal for pinks.
	with skiff through rapids to salt lagoon.
Tide Stage when Surveyed: 1/2 flood	
RESOUR	CES
COMMERCIAL FISHERIES (species, esca Pink, chum, coho. Timing - Late (SeptOct	
Spawning area $4682 \text{ m}^2 (800'\text{x}90'\text{x}70\% \text{ ASA})$ .	Spawning limited to intertidal portion.
Limited rearing available	
	outh.
Spawning Areas: <u>Clean gravel riffles</u> portion.	in mid and upper portions of intertidal
	s off mouth.  ke, good coho at mouth and in lake at times.
LAND USE (history, present, propose check clear cut.	
REHABILITATION POTENTIAL: None	
COLIC. Appeared stable	
Waterfowl nesting area	tat): Bear tracks and scats noted.

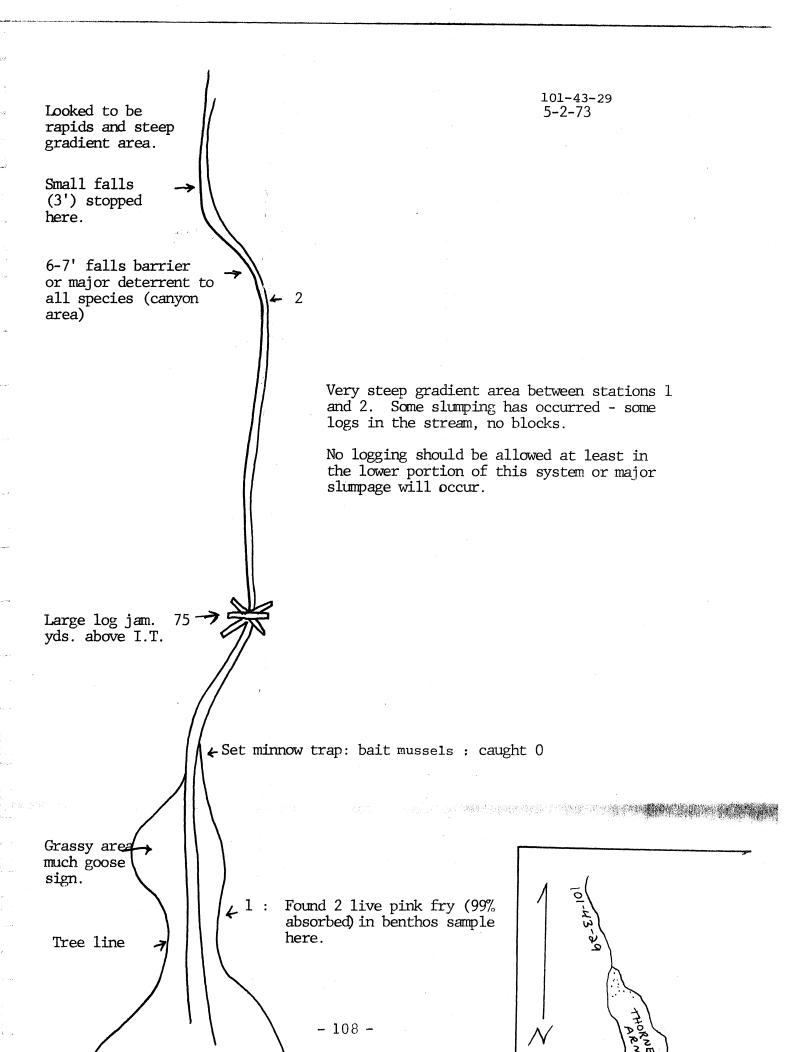
Salt Chuck Creek 101-45-38

101-45-38				
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
7-7-48	75			
8-30-49			4	None observed.
7-24-55	400		100 coho	
8-26-62	3,000			300 @ mouth. Good visibility.
8-13-63	6,5	00		Vis. fair to poor. 2-3000 at mouth, present I.T.
8-30-64	4,000			
7-27-65			100 coho	Visibility good.
8-5-66				1300 - 5 balls at mouth. 100 @ I.T. Visiblity good.
8-14-67				Good visibility.
8-19-68	present			1000 I.T. Poor vis. in stream, due to shade.
8-4-69				3 schools (250) at mouth.
8-25-70	600			Visibility good.
8-4-71				None observed. Vis. poor. Many jumps at mouth.
8-16-72	1,500			Many dead.
8-17-73	7,900			Visibility fair.
8-28-74	2,900			100 @ mouth.
8-2-75	few 100			Visibility poor.
	·			
	·			
			- 172 -	





101-45-42



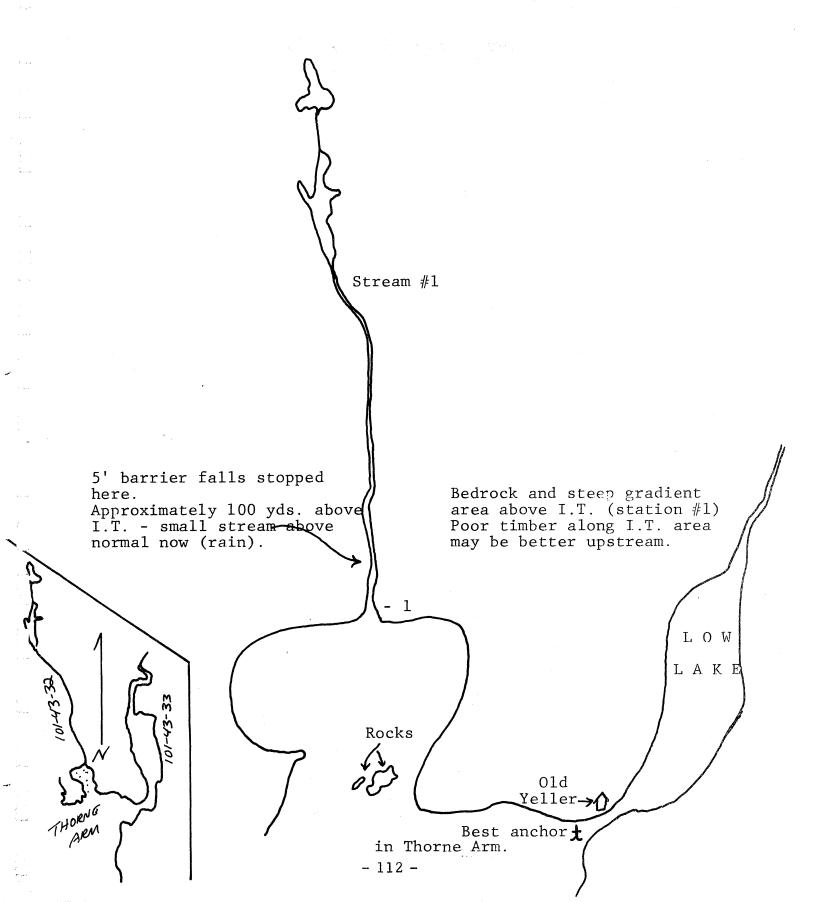
Name		Catalog No. 101-43-29	
Latitude N 5	50 241 4211	WR No.	
Lauritude W 13	10 14! 7!!	K No. 102	
Goodetic Man	10° 14' 7" No. Ketchikan - B-4	Work Area Ketchikan	
Togation Hard	of Thorne Arm (Mop Pt.)		-
Drainage Area			
Watan Gunnly	Type Runoff, small pond	a and musicos	i detroi.
water suppry	Type Kunori, Small pond	5 diru muskeg.	ينک نيد بادمين
maile & Sum	ey Routes Walk up str	ream - no trails	
TIGITIS & Darv	ey nouves wark up ber	Comment of the commen	
Accial Survey	Notes Water slightly t	urhid.	
Anchorage Off	intertidal flats at mout	h in 18 to 20 fathoms, hard bottom (from	
U.S. Coast Pi			-
	en Surveyed 2nd hald	of flood	
			-
FISHERY RESOU			
Commercial	Fisheries Pink and chum	salmon	•
****			
		9 - 200 pink; 1947 - 200 pink, 10 chum; 1943 -	-
	(FWS figures). Spawning a		
9-12-73; 200	carcasses in cove. IT: 9	00 live pinks, mostly sorebacks, 50 dead pink	s.
	sition: 95% pink, 5% chu		
	September through Octob	er	
Schooling a	reas None present		
<u> </u>			terretor and
Shellfish P	otential None		<u> </u>
O /- Til	No formal /1	1/2 hour minnow trap set was made below barrio	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
			= 1
	Ization by rainbow is like	:1y.	
Land Use at	Present None		
History of	Land Use None		<del>-</del>
miscory or	Land USE None		
Rehabilitat	ion Potential Very ste	eep gradient from 75 yards above I.T. on up-	-
	gravel of note is found i		
Soils Downe	lone movement in area of s	steep banks between stations 1 and 2. Unstab	1e
	long survey route.	Teep builto between beatrons I am II on one	
	tong ourvey router		
CAME DESCRIPTION			
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate 0	
	Number of droppings	0	
Geese	Number seen on tide flat	0	
	Number seen up creek	0	
•	Number of broods seen	0	
Mallards	Number seen on tide flat	0	
	Number seen up creek	5	******
	Number of broods seen	0	
Mergansers -	Number of broods seen	0	
Bald Eagles-	Number seen along creek	0	
	Number of nests seen and	d location 0	
Seals	Number seen at mouth of	stream	
	ridinger been do modern or		
,	Estimate length along be		-
,		each 25	

1   2						STR	STREAM INVENTORY FORM	ENTORY	FORM			유 명 명	Observers: Downey, Dinneford Date: 5-2-73	s: Do 5-2-73	wney,	Dinne	ford	
1 2 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		10 min	, woll-	ing inte	פן פי		;;	01-43-2	63			Te	mperati ather:	H		showers		
1 2 1 2 36 W 18 W 1 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		24	NGTT.	911														
1	cation No.		2		+									-				
36'W 18'W .  3	ool Size/Type		1															
13 3 3 4 4/6 4/6 4/6 6 6 6 6 6 6 6 6 6 6 6 6 6	iffle Type idth-Depth	1	18'W 1'D															
1ty 2 2 2 2 41.7 41 41 41 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ool Riffle requency	က	3										,			N W T		
dity 2 2 2 2 2 2 3 41.7	ottom Type Riffle)	7	9/5															
2 2 2 41 41 41 5 5 5 ft	olor/Turbidity	2	2															
tr 1 2 2 2 2 1 8 8 2 1 1 8 8 8 2 1 1 8 8 8 8	elocity	2	2															
Ce #1 41 41	low (C.F.S.)	41.7																
dance 5 5 5 6 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	emp. (°F.)	41																
Idance for the first formula for the formula formula for the formula formula for the formula for the formula formula for the f	<b>::</b>	2	5															
No. #1 / / / / / / / / / / / / / / / / / /	ry Abundance																	·
1 2	enthos ample No.	#1																
Veg. 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	igher Plant lass	H	2															
sses 2	quatic Veg. ensity	2	2					-	•		•							
	ldent. (1) Mosses (2) Algae	2	<b>H</b>															

General Remarks (rehab., land use, barriers, log jams, etc.):

Pop Creek

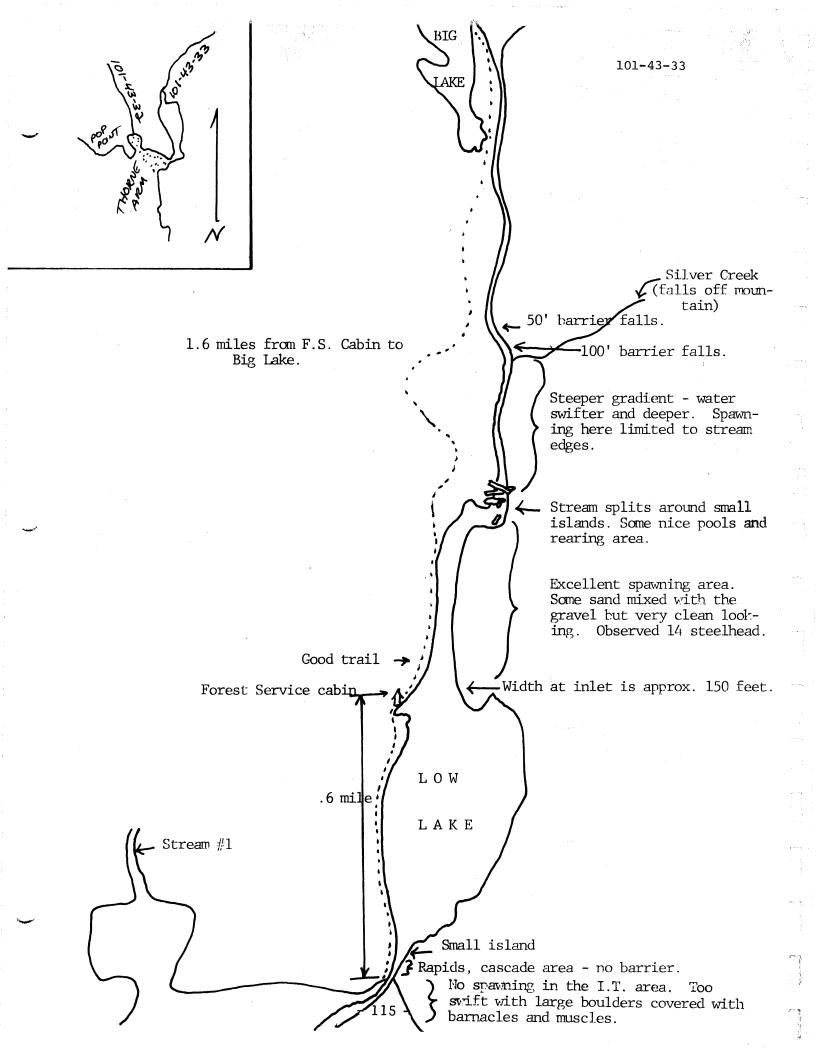
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-21-73				2500 @ mouth & I.T. Vis. fair.
8-28-74			$\omega_{ij} = 0$ , $\omega_{ij} = 0$ , $\omega_{ij} = 0$ , $\omega_{ij} = 0$ , $\omega_{ij} = 0$	300 @ mouth. Visibility excelle
8-12-75				5500 @ mouth.
	·			
	-	Constant		
	•			
	,			
The second of th				
: 				
•			- 111 -	



Name	150 001 (cll	Catalog No. 101-43-32	
Latitude N	55° 23' 46"	WR No.	
Longitude W13	31° 12' 16"	K No.	
Geodetic Map	No. Ketchikan - B-4	Work Area Ketchikan	
Location Head	of Thorne Arm of Watershed	Watershed Length 2-1/4 miles	
Drainage Area	of Watershed		
Water Supply	Type Lake runoff		A STATE OF THE STA
Trails & Surv	ey Routes Walk in stre	am 100 yards above interfidal to barr	ier falls.
		teep gradient above I.T. Timber is s	
larger vessels	off Low Lake outlet.	h of stream (2 fathoms), fair anchora	ge for
Tide Stage Wh	en Surveyed 1st hal	f of flood	
FISHERY RESOU	RCES	Washington and the second of t	
	Fisheries Possible li	mited coho. chum.	
Escapement	none on record. Spawnin	g area: 109 m ² (300 x13 x30% ASA)	9-12-73;
I.T. 200 live	pink (mostly sorebacks),	30 dead pinks, 1 chum.	
Species Com	position none on reco	rd, no fry observed.	And the second section of the section of t
, •			Professional Control C
Timing N/A			
Schooling a	reas none observed.		
	e de la companya del companya de la companya del companya de la co		
Shellfish Pextreme low t		a in bay; sparce amount of eelgrass a	ppears off
Sport Fishe	ries Possible rainbow u	tilization in this stream.	A STATE OF THE STA
	•		
Land Use at	Present None		
History of	Land Use None		
Dahabilitat	ion Detentiol Poor	potential due to bedrock streambed ab	T
		ocential due to bedrock streambed ab	ove 1.1.
and steep gr		hand 1 1 man me 1 mg 1 mg 1 mg	4
of stream sur		tertidal zone. Timber quality poor a	long portion
or scream sur	veyeu.		
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	0
	Number of droppings		0
Geese	Number seen on tide fla	ts ·	0
	Number seen up creek		0
•	Number of broods seen	·	0
Mallards	Number seen on tide fla	ts	6
	Number seen up creek	•• • • • • • • • • • • • • • • • • • •	0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Bald Eagles—	Number seen along/creek		0
	Number of nests spen an		0
Seals	Number seen at month of	stream	. 0
Tide flats -	Estimate length along b		35'
	Estimate depth out from		150'
	Eel grass present(on wh		15%

				<b>0</b> 21	STREAM	STREAM INVENTORY FORM	TORY F	ORM		Obse Date	Observers: Date: 5-2-73	Downey,	у,	Dinneford	ord
				proof.	Name:					Temp	Temperature: 39	39	1 1		
					Number:	1	101-43-32			 Weat		Tong	11	SHOWELS	11
Station No.	H														<del>1</del>
Pool Size/Type	2														T
Riffle Type Width-Depth	13'W 1'D								l						· 1
Pool Riffle Frequency	3.														
Bottom Type (Riffle)	5														<u> </u>
Color/Turbidity	1														<u> </u>
Velocity	2						-						*		
I Flow (C.F.S.)	11.1														
(°F.)	42														
Hd	9														
Fry Abundance															
Benthos Sample No.		·													<del></del>
Higher Plant Class	2			 			· · · · · · · · · · · · · · · · · · ·	**************************************							
Aquatic Veg. Density	3								-			e dia manggari di manangan			
Ident. (1) Mosses (2) Algae	, ,							:							
			-												

General Remarks (rehab., land use, barriers, log jams, etc.):





101-43-33, Fish Creek upper lake inlet, 6-5-76.

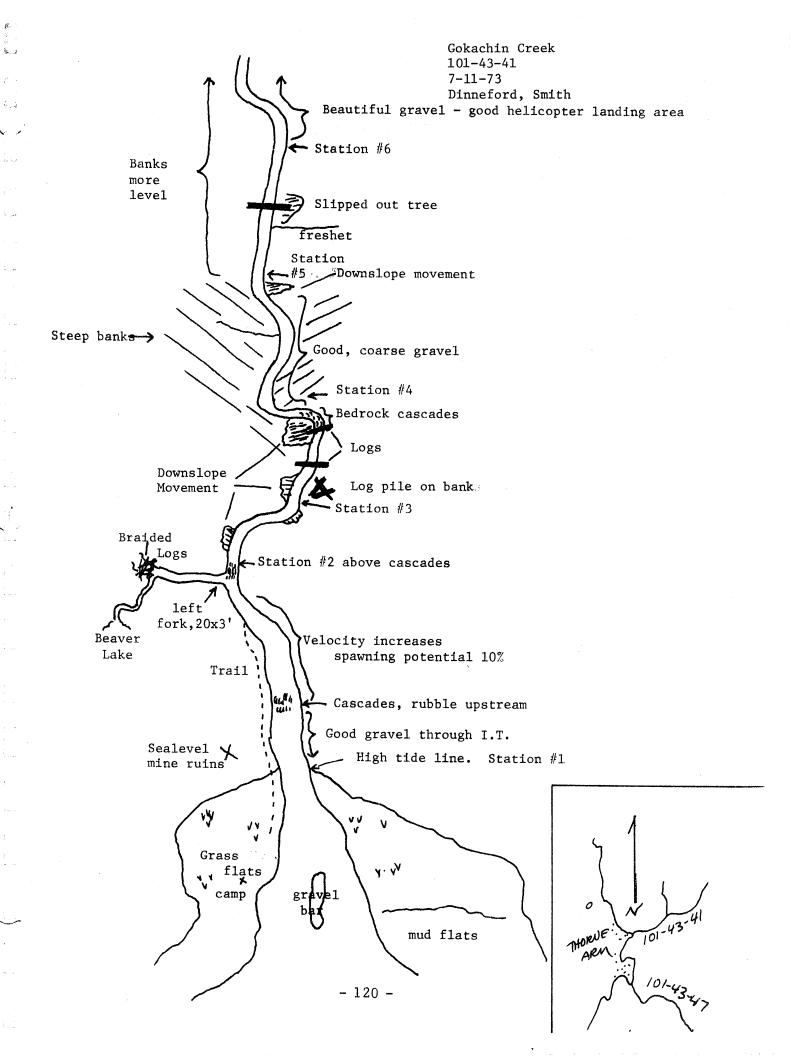
Name Fish Cr	eek	:alog No. <u>101-43-33</u>	
Latitude N 5	5° 23' 9"	WR No.	
Tongitude <b>W 13</b>	1° 12' 4''	K No. 103	ggy, mell rithing right years of an angenty reproject (an opposite the party in page 12 and an annual constraints).
0	7 - 7 - 7	Work Area <u>Ketchikan</u>	
Location Inlet	to Low Lake	Watershed Length 13 miles	
Drainage Area	of Watershed	Watershed Length 13 miles	
Water Supply '	Type Minor and Big Lakes	s empty into Fish Creek. Low Lake	e runs from
Fish Creek to sa	ltwater.	,	
Trails & Surv	ey Routes Forest Servi	ice trail good but leaves streams:	ide 1/4 mile
from Low Lake.			
Aerial Survey	Notes		
			and the Company of the State of
Anchorage Off	beach west of Low Lake of	outlet.	·····································
			uur alka kiin milli maan naan noon sa alka sa alka asaa ka asa
Tide Stage Wh	en Surveyed No tidal	influence.	· · · · · · · · · · · · · · · · · · ·
FISHERY RESOU	RCES		
		F.R.I. records show excellent num	ber of pink
	few sockeye and coho.		CONTRACTOR OF THE PARTY OF THE
Escapement	1957 to 1948 average 83	78 pink, 5128 chum; 1949, 400 soc	keye, 1950, 70
sockeye, 1954	, 50 sockeye; 1953, 30 co	oho. Spawning area: estimated	6000 m ²
Species Com	position 60% pink, 3!	5% chum, < 5% sockeye, <1% coho.	,
· ·			proprietation and the state of
Timing Late	. September to October		مورد در المراجعة الم
Schooling a	reas Off mouth of Fish	n creek in Low Lake	Bootsetti en Ministriko pris novemparanski teknologia en eller eti he <del>y oyyaks</del> anin kepinen A
			and the state of t
Shellfish P	otential Freshwater m	ussels at outlet of Fish Creek.	
Sport Fishe	ries Excellent steelhe	ad producer - would expect rainbo	w above falls.
			The second of th
		11 fishermen here on weekend of	May 12 and 13
	at Low Lake.	71 7	
history or	Land Use ropular as a	steelhead stream for many years.	than a figure detail the annual supposes for the traffic and the constitution of payment is not
Pohohilitot	ion Potential None re	m	
Vellapititica	Ton rocentral None re	darrea.	number 1971 on a receive annument account to a transfer on the following account of the second of th
Soils Fecal	lent conditions up to the	e falls where steep canyon walls	have clumped
in some areas		e lails where steep canyon walls	Have Stamped
III bome areas			онабашта такит какитанун ит накибакун унститутун какита _{нын т} анатын ката
GAME RESOURCES			*
Bear	Fish carcasses or bones	(old or fresh) on banks, estima	te 30
	Number of droppings		· Ly
Geese	Number seen on tide fla	ts	0
	Number seen up creek		2
	Number of broods seen		0
Mallards	Number seen on tide fla	ts .	0
	Number seen up creek		
	Number of broods seen		0
Hergansers -	Number of broods seen		0
	Number seen along creek		and a second
	Number of nests seen an		
Seals	Number seen at mouth of		
	Estimate length along b		150 yds.
	Estimate depth out from		25 yd
	Eel grass present on wh		10%

					STRE	STREAM INVENTORY FORM	ENTORY	FORM			Observ Date:	Observers: Downey, Dinneford Date: 5-13-73	owney,	Dinnefo	ord
					Name:	- 1	Fish Creek	서			Temp	Temperature	51	1 10:00	00 am
	10 min	ute wa	lking j	Interva	10 minute walking intervals. Number:	<del> </del>	101-43-33	33		-	Weather:	- 11	CTondy -	overcast	ST
Station No.	H	2	က					,							
Pool Size/Type	2/1	2/1	1/1												
Riffle Type Width-Depth	150'W 3'D	M, 09	. 70'W 5'D												
Pool Riffle Frequency	3	3	3												
Bottom Type (Riffle)	7	7	9/7												
Color/Turbidity	П	-	Н						·						
Velocity	2	2	က												
Flow (C.F.S.)															
8 Temp. (°F.)	42	42	42												
Hq '	5	5	2												
Fry Abundance 8-2	7-4	1-15 8-5	0												
Benthos Sample No.							-								
Higher Plant Class	г		1/3												
Aquatic Veg. Density	3	e,	3												
Ident. (1) Mosses (2) Algae	2	2	2												

General Remarks (rehab., land use, barriers, log jams, etc.):

Fish Creek 101-43-33

101-43-3	3			4
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
10-13-43				Poor. None observed.
9-27-47	ſ			Chum, coho and pink in stream and lake.
8-7-48	75	13		Visibility poor.
9-19-49	4,000	750	400 red	Some dead.
10-2-50	3,400	650	70 red	250 dead pink, 1200 dead chum.
10-9-53	150	275	30 coho	Several thousand dead in stream and lake.
9-19-54	200	2,500	50 red	2000 dead chum.
9-25-55	10,000	15,000		
9-30-56	>30,000			Chum present.
9-16-57	2,000	8,000		
9-5-60		5		Many jumps
8-22-61		1,500		
8-10-62	200			
8-8-63				None observed I.T.
8-23-65				
8-14-67				250 @ mouth. Good visibility.
8-27-68				200 @ mouth. Mixed fish on lake bars.
8-28-74	300			000 @ mouth & I.T.
8-22-75				5)00 @ mouth & I.T.
			110	
			- 119 -	



Name Gokachi	n Creek	Catalog No.	101-43-41	
Latitude N			0.00	
Longitude W 1	31 11' 17''	K No. 104		
Geodetic Map N	0. Ketchikan B-4	Work Area Koto	hikan	
Location S. Tho	○· <u>Ketchikan B-4</u> rne Arm 1.5 mi. SE Pop Pt.	Watershed Leng	th 5 miles	
Drainage Area	of Watershed 22 squa	re miles	was a few of the few of the second of the se	
Water Supply T				
Trails & Surve	y Routes <b>Poor trail al</b> o	ng north bank for	1st $1/4$ mile. We	alking
fairly easy in s	tream above trail.			
Aerial Survey	Notes <u>Good visibility</u> al	ong length.		
,	1 1//	The second of th		
Anchorage GOO	d anchorage in cove 1/4 mi	ie souch. Excens	sive tide itals of.	I lilouth.
Mide Stage Who	n Surveyed 2nd half	of flood		
		or riood.		and the state of t
FISHERY RESOUR		_		
Commercial F	'isheries <u>Pink, chum, c</u>	oho		
	10/0	/		
Escapement Spawning area:	1940 to 1957 average 15,02	to pink, 1319 chur	n; (7920'x37'x60%	ASA)
Spawning area:	osition Pink 90%, chu	m 109		
Species Comp	osition Flik 90%, Clu	III IU/o		
Miming T-+-	Cont. Ontologo			
Schooling ar	- Sept. October. eas <u>A few pools in main</u>	atroom increaset	mouth	no allega de la companya de la comp
poliooring ar	A Tew poots III liam	i stream, none at	MOULII	
Shellfish Po	tential <u>Good - clams</u> an	nd crahe available	on tide flats	
	GOOD CIAILS AL	d CIADS AVAITABLE	on true riacs.	The state of the s
Sport Fisher	ies <u>Cutthroat, Steelhead</u>	l/rainbow.		- Pake
•				M.L.Micaili
Land Use at	Present None			
	Land Use <u>Sealevel Mine (</u>	<u>(1930's) was locat</u>	ted near mouth on	the north
shore.	72-4			
Renabilitati	lon Potential <u>No rehab.</u>	work required.		
Soils Mogt1	y stable. Some downslope	movement soon in	arong of atoppor	gradient
DOILS MOSCI	y stable. Some downstope	novenent seen in	areas or steeper	gradient.
GALE RESOURCES				
CAPA NESCUNCES				
Bear	Fish carcasses or bones (	old or fresh) on	banks, estimate	0
	Number of droppings		•	1
	Number seen on tide flats		•	0
	Number seen up creek		•	0
	Number of broods seen		•	0
•	Number seen on tide flats			0
	Number seen up creek	)	•	0
	Number of broods seen			0
-	Number of broods seen			1
	Number seen along creek	Contra		Ţ
	Number of nests seen and Number seen at mouth of s			0
		1		1300 +22+
	Estimate length along bea			1300 feet 300 feet
	Estimate depth out from b Eel grass present on what			
	THE REGIO DE ALEGATIO OU MISTO	LOCT COLLO OF TTSPE		50%

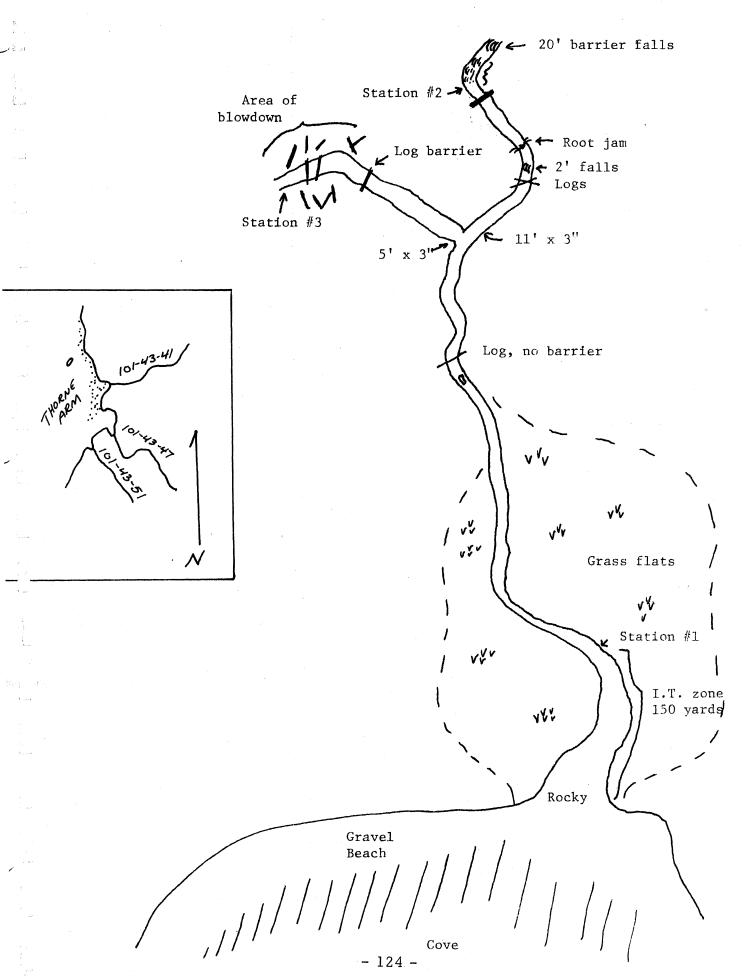
Observers: Dinneford, Smith Date: 7-11-73	Temperature:	Weather: night overcast		
STREAM INVENTORY FORM	Name: Gokachin Creek	Number: $101-43-41$		
		10 mimits intervale	יים ווחומרם הווכבו אמינה:	- '

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								<u> </u>						
9	2/1	21'W 20'D	က	4/5	1	2			5		-	2/1	2	Н
5	2/1	46'W 12'D	3	7	1	2			5			2/1	3	Н
4	3/1	l	3	4/5	-	2			5			2	3	Н
3	3/1		3	4/5	1	2			5	О	2	1/2	3	Н
2	3/1	1	<u>ش</u>	5	-	2			5	3-1	-	2	2	2
Н	0	i .	3	4	1/2	2	110.6		2	1	-	2	2	2
Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Bottom Type (Riffle)	Color/Turbidity	Velocity	' Flow (C.F.S.)			7 Abundance		Higher Plant Class	Aquatic Veg.	Density Ident. (1) Mosses (2) Algae
	1 2 3 4 5	ype 0 3/1 3/1 3/1 2/1	ype 0 3/1 3/1 3/1 2/1 5/1 50'W 42'W 30'W 31'W 46'W 18'D 16'D 24'D 15'D 12'D	1 2 3 4 5 0 3/1 3/1 3/1 2/1 50'W 42'W 30'W 31'W 46'W 18'D 16'D 24'D 15'D 12'D 3 3 3 3	De 0 3/1 3/1 3/1 2/1 50'W 42'W 30'W 31'W 46'W 24'D 15'D 12'D 24'D 33 3 3 3 4 5 4/5 4/5 4/5 4/5 4/5	ype 0 3/1 3/1 3/1 2/1 5/1 50'W 42'W 30'W 31'W 46'W 2 18'D 16'D 24''D 15''D 12''D 2 4''D 15''D 12''D 1	De 0 3/1 3/1 3/1 2/1 50'W 42'W 30'W 31'W 46'W 2 18'D 16'D 24'D 15'D 12'D 2 4'D 15'D 12'D 2 4'D 15'D 12'D 2 2 2 2 2 2	Station No.         1         2         3         4         5           Pool Size/Type         0         3/1         3/1         3/1         2/1           Riffle Type         50'W 42'W 30'W 31'W 46'W 2 4 5 4 5 15'D 12'D 24'D 15'D 12'D 12'D 24'D 15'D 12'D 12'D 12'D 12'D 12'D 12'D 12'D 12	Station No.         1         2         3         4         5           Pool Size/Type         0         3/1         3/1         3/1         2/1           Riffle Type         50'W 42'W 30'W 31'W 46'W 2         46'W 2         24'D 15'D 12'D 2         24'D 15'D 12'D 2           Pool Riffle         3         3         3         3         3         3           Pool Riffle         3         3         3         3         3         3           Bottom Type         4         5         4/5         4/5         4           Color/Turbidity         1/2         1         1         1           Velocity         2         2         2         2         2           Flow (C.F.S.)         110.6         1         1         1         1	Station No.         1         2         3         4         5           Pool Size/Type         0         3/1         3/1         2/1           Riffle Type         50'W 42'W 30'W 31'W 46'W 24'D 15'D 12'D 24'D 15'D 15'D 15'D 15'D 15'D 15'D 15'D 15	Station No.         1         2         3         4         5           Pool Size/Type         0         3/1         3/1         3/1         2/1           Riffle Type         50'W         42'W         30'W         31'W         46'W         2           Riffle Type         18"D         16"D         24"D         12"D         2           Pool Riffle         3         3         3         3         3           Frequency         4         5         4/5         4         4           Rottom Type         4         5         4/5         4         4           Riffle)         1/2         1         1         1         1           Velocity         2         2         2         2         2           Flow (C.F.S.)         110.6         1         1         1         1           Temp. (°F.)         5         5         5         5         5           Fry Abundance         4-2         5         5         5         5         5	Station No.         1         2         3         4         5         6           Pool Size/Type         0         3/1         3/1         3/1         2/1         2/1           Riffle Type         50'W 42'W 30'W 31'W 46'W 21'W         21'W         20'D           Rol Riffle Type         3         3         3         3         3           Prequency         3         3         3         3         3         3           Bottom Type         4         5         4/5         4         4/5         4           Color/Turbidity         1/2         1         1         1         1         1           Velocity         2         2         2         2         2         2         2           Flow (C.F.S.)         110.6         1         1         1         1         1           Fmp. (°F.)         5         5         5         5         5           Fry Abundance         4-2         6         6         6         6           Fry Abundance         1         2         2         5         5         6           Benthos         3-10         2         2         2         2 </td <td>Station No.         1         2         3         4         5         6           Pool Size/Type         0         3/1         3/1         2/1         2/1           Reffle Type         50'W 42'W 30'W 31'W 46'W 21'W         21'W         21'W           Midth-Depth         18"D 16"D 24"D 15"D 12"D 20"D         20"D           Pool Riffle         3         3         3         3         3           Pool Riffle         4         5         4/5         4         4/5         4           Rottom Type         4         5         4/5         4         4/5         4         4/5           Color/Turbidity         1/2         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1</td> <td>Station No.         1         2         3         4         5         6           Pool Size/Type         0         3/1         3/1         3/1         2/1         2/1         2/1           Riffle Type         18"D         16"D         24"D         15"D         12"D         20"D           Pool Riffle         3         3         3         3         3         3         3           Pool Riffle         3         3         3         3         3         3         3           Pool Riffle         3         3         3         3         3         3         3           Bottom Type         4         5         4/5         4         4/5         4         4/5           Color/Turbidity         1/2         1         1         1         1         1         1           Velocity         2         2         2         2         2         2         2         2         2         2           Temp. (°F.)         3         5         5         5         5         5         5         5         5         5         5         5         5         7         1         1</td>	Station No.         1         2         3         4         5         6           Pool Size/Type         0         3/1         3/1         2/1         2/1           Reffle Type         50'W 42'W 30'W 31'W 46'W 21'W         21'W         21'W           Midth-Depth         18"D 16"D 24"D 15"D 12"D 20"D         20"D           Pool Riffle         3         3         3         3         3           Pool Riffle         4         5         4/5         4         4/5         4           Rottom Type         4         5         4/5         4         4/5         4         4/5           Color/Turbidity         1/2         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	Station No.         1         2         3         4         5         6           Pool Size/Type         0         3/1         3/1         3/1         2/1         2/1         2/1           Riffle Type         18"D         16"D         24"D         15"D         12"D         20"D           Pool Riffle         3         3         3         3         3         3         3           Pool Riffle         3         3         3         3         3         3         3           Pool Riffle         3         3         3         3         3         3         3           Bottom Type         4         5         4/5         4         4/5         4         4/5           Color/Turbidity         1/2         1         1         1         1         1         1           Velocity         2         2         2         2         2         2         2         2         2         2           Temp. (°F.)         3         5         5         5         5         5         5         5         5         5         5         5         5         7         1         1

General Remarks (rehab., land use, barriers, log jams, etc.):

Gokachin Creek (Sea Level) 101-43-41

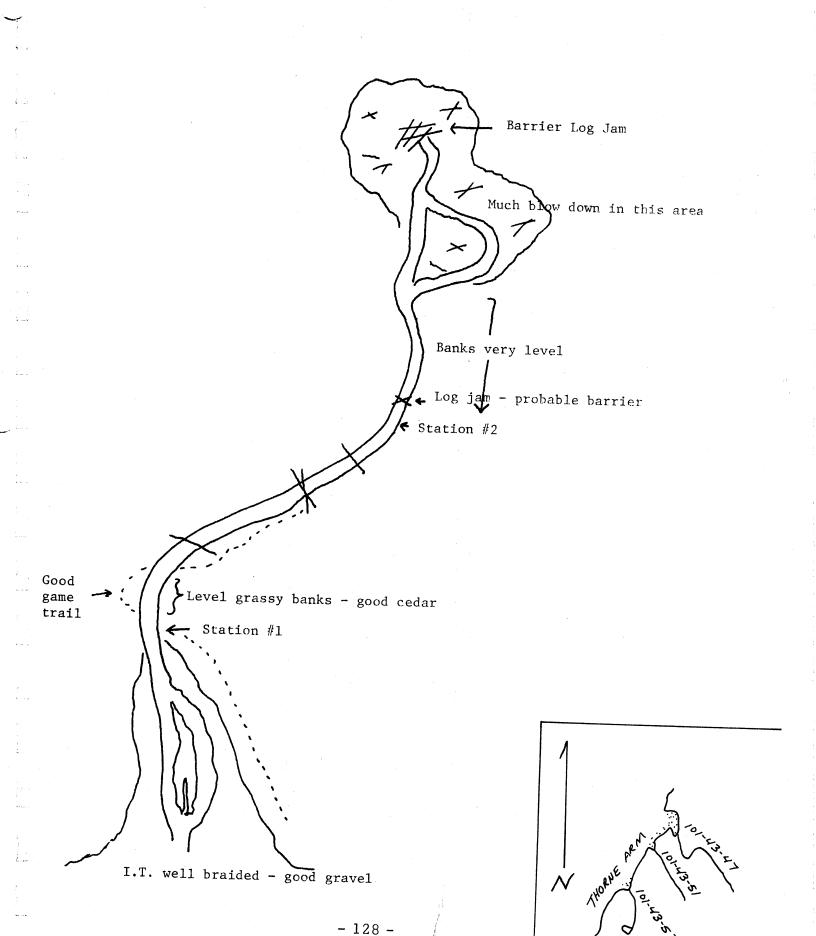
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-21-40	95,000	5,000		2000 off mouth.
9-27-41	30,000.			
10-13-43	5,000	100		
9-18-45	60,000	10,000		10,000 off mouth.
9-27-47	10,750	2,850		Good.
10-1-49	962	304		227 dead pink, 128 dead chum.
9-25-50	1,680	170		120 dead pink, 105 dead chum.
9-25-51	4,550	500	Some coho	120 dead chum.
9-12-52	616	77	l red	
9-11-53	340	170		Stream high, more present than seen.
9-19-54				Only survey. Poor vis. Only a few seen.
9-25-55	25,000			Few chum.
9-30-56	>20,000			Many dead pink.
9-16-57	1,200	6,300		
8-26-62	300			
8-8-63	-			None observed. I.T.
8-27-68				200 @ mouth. Mixed fish on lake bar.
9-6-74	700			Visibility good.
			- 126(-	



Name	Catalog No. <u>101-43-47</u>
Table	55 21 32" WP NO
Longitude W	131 12' 20" K No.
Geodetic Map 1	No. <u>Ketchikan B-4</u> Work Area <u>Ketchikan</u>
Location E. Thor	ne Arm 1/4 mi. S. Gokachin Wateskr. shed Length 1 mile
Drainage Area	of Watershed
Water Supply !	Type Precipitation
Trails & Surve	ey Routes Easy walking along stream bed.
*	
Aerial Survey	Notes Visibility poor, vegetation lines banks.
Anchorage Go	od anchorage off mouth, 2 fathoms.
Tide Stage Wh	en Surveyed 2nd half of flood.
FISHERY RESOU	RCES
	Fisheries No record - Potential excellent for pink good for coho.
Escapement	No record. Spawning area = 2207 m ² . (2640'x12'x 75% ASA)
Species Com	position No fry identified.
Timing <b>Unk</b>	nown.
Schooling a	reas Few pools in stream.
Shellfish P	otential Poor - gravel beach in cove.
	D-11 W. J. C. (1)
Sport Fishe	ries Dolly Varden, Cutthroat
7 7 77	Descript News
Land Use at	Present None
History of	Land Use Logging occurred in the past, probably about the same time
the Sea Leve	1 mine was in operation.
Rehabilitat	ion Potential Removal of a few small logs could definitely enhance
this stream'	s productivity.
Soils Ver	y stable.
**************************************	
GAME RESOURCES	
Bear	Fish carcasses or bones (old or fresh) on banks, estimate0
• .	Number of droppings 1
Geese	Number seen on tide flats 0
	Number seen up creek 0
	Number of broods seen 0
Mallards	Number seen on tide flats
	Number seen up creek 0
7.6	Number of broods seen
Mergansers -	
Baid Eagles-	Number seen along creek  Number of master seen and less in
Cool-	Number of nests seen and location  Number seen at routh of stress
	Number seen at mouth of streat
ride Hats -	10011000 101010
	Thousand The Control of the Control
	Eel grass present on what per int of flats 0

General Remarks (rehab., land use, barriers, log jams, etc.):

101-43-4	7			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-23-65				1500 @ mouth.
9-7-66	300			250 I.T. Poor visibility.
8-14-67				Good visibility.
8-27-68		250		Vis. poor in stream, good off mouth. 3500 @ mouth.
8-25-70				Vis. excellent. 2-3000 @ mouth.
8-20-73	500			Few @ mouth & I.T. Vis. fair.
8-28-74	3,500			Vis. excellent.
8-22-75	present			7000 @ mouth & I.T. Stream dark.
es que monte mandre de la companya d				
			- 127 -	



Name		Catalog No.	101-43-51	
Latitude N	55 21' 28"	WR No.		
Longitude W:	T3T TT, 00,	K -110 •		
Location F. Thorne	Ketchikan B-4 Arm, 5 mi. S.Gokachin Cr	Watershed Le	ngth 1 mile	
Drainage Area	of Watershed	•		
Water Supply T	ype <u>Springs, Precipitat</u>	ion.		And the second s
Trails & Surve	y Routes <u>Easy walking</u>	along flat sta	ble banks.	
Aerial Survey	Notes <u>Poor visibility.</u>	short stream.		
Anchorage Very	poor off mouth, rocky and	l open to South		
Tide Stage Whe	n Surveyed <b>2nd half of</b>	flood.		
FISHERY RESOUR Commercial F	CES isheries <u>No record, no</u>	ne observed.		
Escapement_1	No record. Spawning area	: 1324 m ² (132		
Species Comp	osition Pink (potentia	lly), coho		
Timing Unknow	own.			
Schooling ar	eas None			
Shellfish Po	tential None, rocky o	ff mouth,		
Sport Fisher	ies Cutthroat			
Land Use at	Present None			
History of L	and Use None			
		-		-
Renabilitati	on Potential None			
Soils Stream	n sides very flat and stub	le.		
GATE RESOURCES				
		old or fresh)	on banks, estimate	
	Number of droppings Number seen on tide flats	•		0 0
	Number seen on vide frage. Number seen up creek	<b>)</b>		0
	Number of broods seen	1		0
•	Number seen on tide flats			0
	Number seen up creek Number of broods seen		•	0
	Number of broods seen			0
Bald Eagles-	Number seen along creek			I
	Number of nests seen and			0
	Number seen at mouth of s	,		0
	Estimate length along bea Estimate depth out from b			0
	Eel grass present on what		ats	0
		1		

ith																		
rd, Smith																		
innefor 73		rmy											-		N.			-
ers: D	ature:	r: Su																
Observers: Dimeford, Date: 7-9-73	Temperature:	Weather					,											
	•											·						
										,								
WII.	1																	-
RY FOR		-51																
NVENTO		101-43		·		·												
STREAM INVENTORY FORM	Name:	mber:											·					
ISI	Na	n NC	210															No. of the William Special Architecture
		, r , r , r	রী নিমা			•												
		10 mimit 2 101-43-51	וחרב אי	2	3/3	5'W 2'D	က	7		2			5	4-1	0	2/1	m	Н
		0	T	ы	3/2	19'W 3'D	m	4	·	2	3.5		5	3-1	1	3/2	3	2
									<b>&gt;</b>									

General Remarks (rehab., land use, barriers, log jams, etc.):

Aquatic Veg.
Density
Ident.
(1) Mosses
(2) Algae

Higher Plant Class

Fry Abundance

pH

Benthos Sample No.

Color/Turbidity

Velocity

Bottom Type (Riffle)

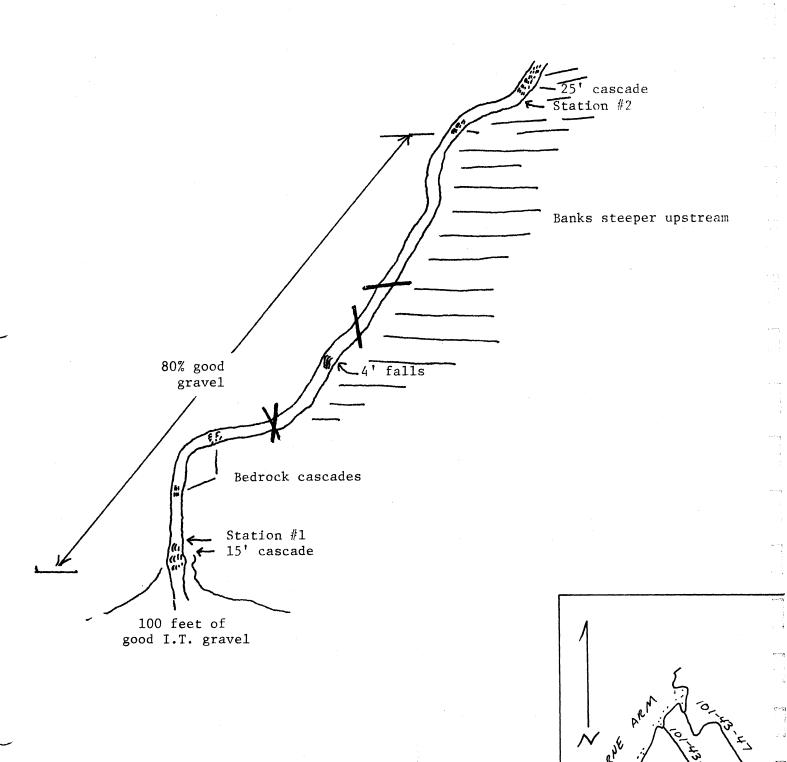
Pool Riffle Frequency

Pool Size/Type

Station No.

Riffle Type Width-Depth

Survey distance 1/4 mile



Name	Cata	log No. 10	1-43-52	
Latitude N 55	° 21' 7" WR A ° 12' 0" K No	0.		•
Longitude W131	° 12' 0" K No			
		Area Ketchikan		•
Location E. The	No. <u>Ketchikan B-4</u> Work orne Arm, 1 mi S Gokachin C <del>V</del> ate	rshed Length 1	/2 mile	•
Drainage Area	of Watershed			•
Water Supply	Type Small lake, runoff	<del></del>		•
				•
major obstacles	ey Routes <u>Walking moderately</u> s.			•
Aerial Survey	Notes Visibility poor due to	timber crowding t	he banks.	-
Anchorage Po	oor off mouth, veryrocky and exp	oosed to winds.		-
Tide Stage Wh	en Surveyed lst half of floo	od		-
				-
FISHERY RESOU	Fisheries Many unidentified	colmon fry obcory	end. None taken in tran	
	1mon roe. Fair (300) fish) cohe		ed. None taken in trap	-
	No record. Spawning area = 78		) (0 3 C3 \	-
rscapement_		and the second s		-
Species Com	position Unknown	e diagnot vir san 1788an papa taut vari, talam jalah lai a vira. Yahaya, vira saatha, talam (1945) i Isangan talamangan sarah talam talam san sadahki saatha sarah sarah sarah sarah sarah sarah sarah sarah sarah		-
[7] \$ \$ TIm1				_
Timing Unl Schooling a	known			-
pounoring a	***************************************			
Shellfish P	Potential None		4	-
OHOILIIOH I	O C II V I C I			-
Sport Fishe	ries Cutthroat			-
				-
Land Use at	Present None	en en gelen en gelen de state different a en en den gelen en en gelen de la composition en de en gelen de en g Se en gelen en gelen en en de en de en gelen en gelen de la desta de l'en gelen de en en gelen de en gelen de e		~
gran or approximate any property of the elegate prices and analysis are supply			en varant statututu 11.00 artikutatu alikutatu kilon 1880a akti uuti yoraayiga, aan ahtatti hayyylika apayyatahan akti.	
History of	Land Use None			_
El al al 4 1 4 1 al	. D. t t J. little possil	Allto of Januarian		
Renabilitat	ion Potential Little possil	office of improvem	enc	_
Coila M	1			_
DOLLS Most.	ly stable some downslope movement steep.	ent at Station #2.	Banks start level.	_
end moderate	ery steep.			
CONTRACTOR TOTAL CONTROL CHICAGO	•			
GAME RESOURCES	A Note that the second of the			
Bear	Fish carcasses or bones (old o	or fresh) on banks	s, estimate 0	
	Number of droppings		0	
Geese	Number seen on tide flats		0	_
	Number seen up creek		0	
•	Number of broods seen		0	in-1
Mallards	Number seen on tide flats		0	
	Number seen up creek		0	
	Number of broods seen		0	****
	Number of broods seen		0	_
Bald Eagles-	Number seen along creek		0	
	Number of nests seen and loca		0	-
	Number seen at mouth of stream	n	0	
Tide flats -	Estimate length along beach		0	
	Estimate depth out from beach		0	
	Eel grass present on what per	ent of flate		

			l.	TREAM I	STREAM INVENTORY FORM	Y FORM			Observ Date:	Observers:	Dinneford,	Smith
			Ä	Name:					Tempe	attr		
			ğ	Number:	101-43-52	-52			Weather:	- 1	Surmy	
Station No.		0										
Pool Size/Type	2/2	2/1										·
Riffle Type Width-Depth	0,14 M.6	8'W 4'D										
Pool Riffle Frequency	9	3										
Bottom Type (Riffle)	4	7										
Color/Turbidity	1	П										
Velocity	2	2			•							
Flow (C.F.S.)	2.1				·							
Temp. (°F.)												
Hq	5	5										
Fry Abundance	2-1	4-1					i dina na garaga.					
Benthos Sample No.	Н	·o										
Higher Plant Class	2/3	2/3			,							
Aquatic Veg. Density	8	2						·				
Ident. (1) Mosses (2) Algae	Н	Н			* .							

- 133 -

General Remarks (rehab., land use, barriers, log jams, etc.):

101-43-53
7-9-73
Dinneford, Smith

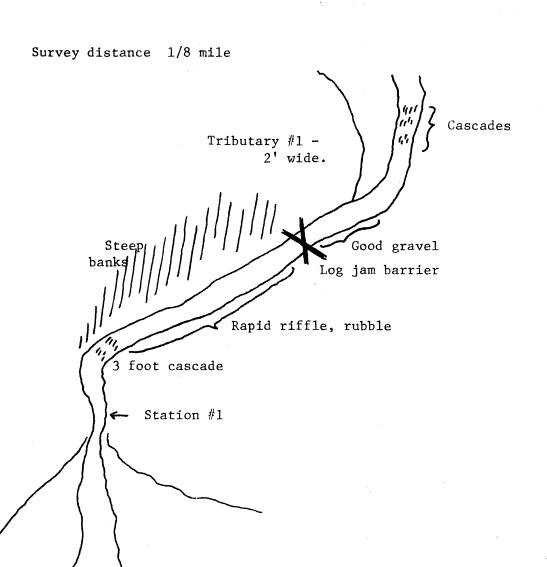
Downslope movement Station #2 Log jam & bedrock barrier Scrubby Hemlock, 4' falls steep banks Survey distance Cascades 1/4 mile - Stream narrows into short canyon. Log jam, no barrier Station #1 - tree line - 1 Dolly Varden in fry trap in 1/2 hour set. Salmon fry observed

I.T. very rocky - no eel grass, large boulders.

Name		Catalog No.	101-43-53	
Latitude N	55° 20' 32" 31° 12' 32"	WR No.		of the Section of Program Street Section Secti
Longitude W 1	31° 12' 32"	K NO.	er sammer gang separa menganda separa di separa menganggan kanan mengan di separa di separa di separa di separ	
Geodetic Map 1	VO. Ketchikan - B-4	Work Area Ket	chikan	
Location E. Tho	rne Arm, 1-1/2 mi N EHPt.	, watershed Len	gon 2 miles	error samen aspektivas samen automorphism samen samen samen aspektivas samen samen samen samen samen samen sam
	of Watershed		andres destinated there is the district of the first field of the second district of the second of t	
Marel pubbil	Type Runoff Precipita	311011		
Trails & Surve	ey Routes Fair walking	along most of str	eam.	
Aerial Survey	Notes Poor, most of	stream covered by	trees.	
Anchorage F	oor at mouth, rocky			
			manufacture for the control of the c	
FISHERY RESOU			C 1 1	
Commercial fry trap.	Fisheries No record;	unidentified salmo	n fry observed, non	e taken in
	No record. Limited spawn	ning/rearing Sna	wning Area: 736 m ²	
1320 220 230	/ASA)	5/2 5Pg	WIIII 111 Ca. 700 m	erterikani interapapa interpresidenta perikangan perikangan perikangan dan perikangan pe
Species Com	position Unknown			
Timing Ur	iknown	<i></i>		
poncorring a	reas <u>None - rocky of</u>			
Shellfish P	otential <u>None</u>	en en de la companya de la companya De la companya de la		
Sport Fishe	ries <u>Dolly Varden</u>			
Land Use at	Present none			
History of	Land Use <u>none</u>			
Rehabilitat	ion Potential Possi	ble log removal.		
	rocky fairly stable with	a few exposed are	as from fallen tree	s. Stream
banks steep.		aas ahalasa kuunu ka hijoh assa kigaalasa oo ahaa ahaa ahaa ahaa ahaa ahaa aha	ومريب ومراهدات ودوور المتحد المتحدد ال	
	•			
GAME RESOURCES	\$ x 200	₹		
Bear	Fish carcasses or bones	(old or fresh) or	n banks, estimate	0
	Number of droppings			0
Geese	Number seen on tide fla Number seen up creek	US		0
•	Number of broods seen			0
Mallards	Number seen on tide fla	ts		0
	Number seen up creek			0
	Number of broods seen		•	0
Mergansers -				0 .
Bald Eagles-				0
C 7 -	Number of nests seen an			0
	- Number seen at mouth of	(		0
Thos Ilaus -	Estimate length along b Estimate depth out from			0
	Estimate deput out the Eel grass present on th	4	tis.	0
•	The Committee of the Part of t	and the man of the		

					STR	EAM IN	STREAM INVENTORY FORM	FORM	w.		OН	Observers: Dinnetord, Date: 7-9-73	rs: D 7-9-7	inneto 3	, ,	Smith
	L	•	:	_		Name:Number:	101-43-53	-53				Temperature: Weather: Su	ture:	my		
	TIII CT	1) minute walking intervals	KINK		1											
Station No.	1	2														
Pool Size/Type	0	3/2														
Riffle Type Width-Depth	23 'W 6''D	19'W. 12'D								·						
Pool Riffle Frequency	3	3										· ·				
Bottom Type (Riffle)	4/5	7													·	
Color/Turbidity	1	1							•							
Velocity	2	2														
Flow (C.F.S.)	11.9															
Temp. (°F.)																
	9	9														
Fry Abundance	2-1	0														
Benthos Sample No.	1	,												14-		
Higher Plant Class	2	2											·			
Aquatic Veg. Density	2	3						t de la cale e e el discolarista de la cale d								
(1) Mosses	H	<u></u>														

General Remarks (rehab., land use, barriers, log jams, etc.):



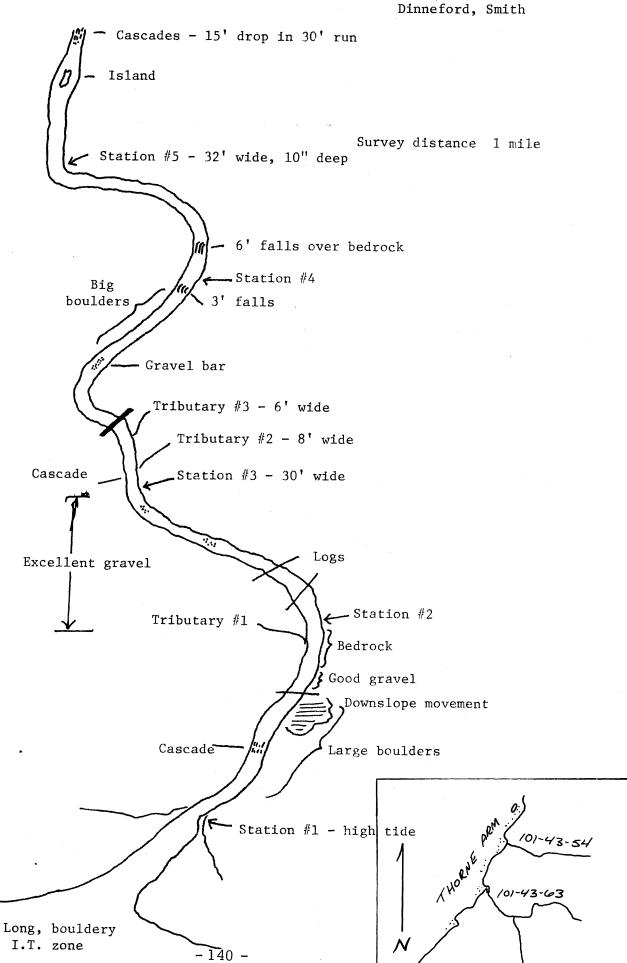
N /101-43-63

I.T. very rocky

Name		Catalog No.	101-43-54	
Latitude N	55 17' 38'' 31 13' 57''	WR No.		
Longitude <u>W1</u>	31 13' 57''	K NO.		
Geodetic Map	No. <u>Ketchikan B-4</u> rne Ram. S.Elf Pt. 2 miles	Work Area Ketch	nikan	
Location E. Tho	rne Ram. S.Elf Pt. 2 miles	_s Watershed Lengt	h 1.5 miles	
Drainage Area	of Watershed			
Water Supply	Type Precipitation and r	nuskeg		
Troila & Curr	ou Poutos Pauch walleis	or in atroom		te and
TIGITS & DULY	ey Routes <u>Rough walki</u> r			
Aerial Survey	Notes No visibility		And the state of t	The same of the sa
Anchorage Poo	r off rocky mouth.			
Tide Stage Wh	en Surveyed <u>lst hal</u> f	of ebb.		
FISHERY RESOU				
	Fisheries <u>low potentia</u>	al for coho		
Escapement_	<u>Unknown.</u> Spawning ar	$ea = 84 \text{ m}^2$ . $(600'x]$	5,x10% ASA)	Profes Miller Space
Species Com	position <u>Unknown</u>			
77.1				
Timing Unk	nown			
Schooling a	reas <u>None</u>			
Shellfish P	otential <u>None</u>			
Oneili i				
Sport Fishe	ries <u>Dolly Varden</u>	Pharmaconada en 1980 pare e 1981 espaines parte de la substance de la Principa e vincialità e 1984 de 1990 de P	en e	- Andrew Control of the Control of t
Land Use at	Present None			
Wigton; of	Land Use None			
LISCOLY OI	Land Use None			
Rehabilitat	ion Potential None			
				getterneterinisterining seteration transporter Transporter
Soils <b>Ban</b> l	ks of bedrock quite steep;	many trees down su	ggests past unsta	bility.
	• • • • • • • • • • • • • • • • • • • •	•		
GALE RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on h	anks estimate	0
2002	Number of droppings	(Old Of Tiobil) Off	- Cooming	0
Geese	Number seen on tide flat	SS	-	0
	Number seen up creek		· · · · · · · · · · · · · · · · · · ·	0
	Number of broods seen	•	· · · · · · · · · · · · · · · · · · ·	0
Vallards	Number seen on tide flat	S	· ·	0
•	Number seen up creek		V	0
	Number of broods seen	•	-	0
Mergansers 🗕	Number of broods seen		•	0
Bald Eagles-	Number seen along creek		· ·	0
N.	Number of nests seen and			0
	Number seen at mouth of		•	0
Tide flats -	Estimate length along bo		•	0
•	Estimate depth out from		-	0
	Eel. grass present on wha	at percent of flats		U

ı	1 1	J 1		مرانستان	· 1		r	r-		r	· · · · · · · · · · · · · · · · ·				·····	and the second s	
Smith																	
4																	
<u>Dinneford</u>		FI															
Observers: <u>Dim</u> Date: 7-10-73	ure:	Kain															
server	Temperature:	wearner:														·	
Obs Dat	Hen:	Wes													. P. M. J. 1901. BUT DEFENDABLES.		
												-					
≨																	
RY FOI		-54	·														
VENTO		101-43-54															
STREAM INVENTORY FORM		H															
STR	Name:	Number:						-			-						
													-				
										23		-	-				
			H	0	15'W 12" D	3	4/5	2/2	2	13.5		9	2-1	H	2	e e	2
			Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Sottom Type (Riffle)	Color/Turbidity	Velocity	Flow (C.F.S.)	Temp. (°F.)	Jogod	Fry Abundance	Sample No.	Eigher Plant Class	Aquatic Veg. Density	Ident. (1) Mosses (2) Algae
			St	) 건	낊물	ที่ วัด -	i i i i i i i i i i i i i i i i i i i	්ර	λ Δ	-	بة 139	-	E.	រាស់	HO	작 -	

General Remarks (rehab., land use, barriers, log jams, etc.):

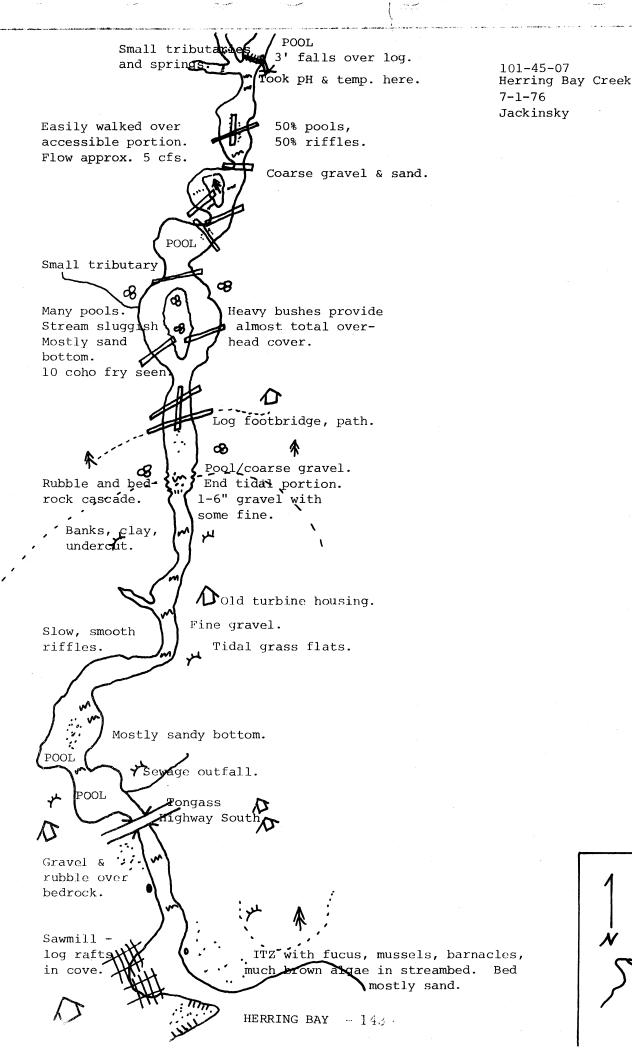


Name		Catalog No101-43-63
Latitude N	55 16' 08"	WR No.
Longitude W1	31 15' 48''	N MO
Geodetic Map N	^l ○·_Ketchikan B-4	Work Area XXXXXXXXXX Ketchikan
LocationE. Thorn	ne Arm. 2.5 mi. S.Elf Pt	Work Area <u>XXXXXXXXXX</u> Ketchikan Watershed Length 1-3/4 miles
Drainage Area	ne Arm, 2.5 mi S.Elf Pt. of Watershed	
Water Supply T	Type <u>Precipitation, spr</u>	rings.
Mars 17 a. P. Carrette	Doutes Difficult	line thick olders to books and olimning localing
in stream.	ey Routes Difficult was	lking, thick alders to banks and slippery boulder
	Notes Good visibilit	ty, especially in lower portion, suggest an
consider constant	for impor atroom	
Anchorage Fai	r off mouth for small cra	aft.
Tide Stage Whe	en Surveyed <b>lst half</b>	of flood.
FISHERY RESOUR	RCES	
Commercial 1	Fisheries coho fry obs	served. Good potential for a smaller system.
Escapement_	Unknown. Spawning area =	= 5886 m ² (5280'x30'x 40 <u>% ASA)</u>
Species Com	position Coho fry obs	served
phecres com	position concliny obt	serveu.
Timing Unk	nown	
Schooling a	reas None	
Shellfish P	otential <u>N</u> one	
G - b Di-l-	Dolly Varden Pair	phota Cutthroat
Sport Fisher	ries Dolly Varden, Rain	
Land Use at	Present None	·
History of	Land Use <b>None</b>	
	ion Potential None	
Rehabilitat	ion Potential Note.	
Codla Chal	la baula mandaminata E	also be a self-blue
DOTTP Star	ore banks predominate. Fa	air to good timber.
GAME RESOURCES		
Bear		(old or fresh) on banks, estimate 0
	Number of droppings	
Geese	Number seen on tide flat	
	Number seen up creek	0
	Number of broods seen	
Mallards	Number seen on tide flat	
-	Number seen up creek	0
	Number of broods seen	ur aprilador la actividad de la companya de la comp
Mergansers -	Number of broods seen	0
	Number seen along creek	
	Number of nests seen and	
Seals	Number seen at mouth of	
	Estimate length along be	
TIME TIME	Estimate depth out from	Calori
	Estimate deput out from Eel grass present on who	000,011
	こうにょ とじきろう ひげせんせいし じげしだけし	CO DELETE UP LIGHT

Observers: Dinneford, Smith Date: 7-10-73	Temperature:	Weather: Rain	
STREAM INVENIORY FORM	Name:	10 minute walking intervals. Number: 101-43-63	

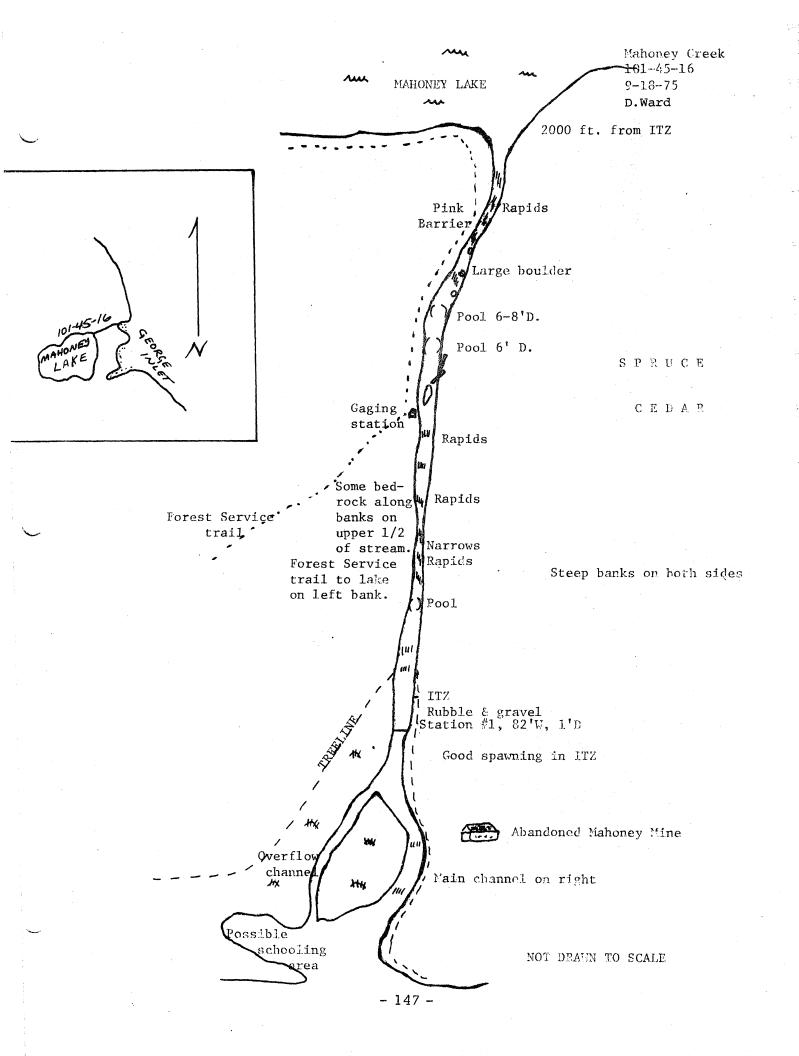
1	.0 min	ite wal	10 minute walking interval	nterva	ά.	ber: 10	Number: 101-43-63				Wes	Weather:	Rain			
	,														<del></del>	
Station No.		2	3	4	٢			+	-			-	+	+	+	T
Pool Size/Type	3/2	3/1	3/1	3/1	3/1										-	
Riffle Type Width-Depth	35'W 10'D	32'W 10'D	30'W 12'D	22'W 12'D	32'W 10'D		-									
Pool Riffle Frequency	3	3	3	3	3											
Bottom Type (Riffle)	5	5	7	5/6	4/5											
Color/Turbidity	2	2	2	2	2				•							
Velocity	2	2	2	2	2											
Flow (C.F.S.)	21.2															
7 Temp. (°F.)																
	5	5	5	5	5					·						
Fry Abundance $5-4$ 3-7	2-2 3-7	0	2-28 3-1 5-13 0	.13 0	0						`					
Benthos Sample No.	-															
Higher Plant Class	2	1/2	1/2	1/2	3/1											
Aquatic Veg. Density	2	2	2	2	2							·				
Ident. (1) Mosses (2) Algae	2	2	П	2	2											

General Remarks (rehab., land use, barriers, log jams, etc.):



Name: Herring Bay Creek Latitude: 55 19 36 Longitude: 131 31 36 Geodetic Map No: Ketchikan B-5 Location: George Inlet, Herring Cove, Head  Trails & Survey Routes: Intertidal most of accessible upper portion.	Former Stream No: K 92, previous no, 86C  Work Area: Ketchikan
Aerial Survey Notes: <u>Intertidal and</u>	mouth counts only.
Anchorage: Creek is on road system no Tide Stage when Surveyed: Low RESOU	ear Ketchikan, harbors abound.
COMMERCIAL FISHERIES (species, esc Pink, chum, coho. Timing late (SeptOc	
quent pools upstream.	and top of intertidal area and scattered fre-
SPORT FISHERIES: Use infrequent, 1:	ittle potential.
LAND USE (history, present, proposually the accessible length concomitant. Site of former powerhouse. Log storage i	ed):  Area around creek settled for virt- Constant and varied use of intertidal basin n estuary.
REHABILITATION POTENTIAL: None	
SOILS: Stable throughout surveyed port	tion.
GAME RESOURCES (species, use, habi Seagulls. Proximity to human habitations	itat): s limits wildlife utilization.

Ţ...



Name Mahonev	y Creek Catalog No. 101-45-	16
Latitude N	55° 25' 35" WR No. 87	
Longitude W	7 1219 201 24H	
Geodetic Man N	No. Ketchikan B-5 Work Area Ketchikan	
	Geo. In. 2 mi so. of Coon Watershed Length 2.	
Drainage Area	of Watershed 5.4 sq. miles, polar planimeter	
Water Sunnly	Type Precipitation fed, and snowfields on ridge	ahove lake.
water bupping.	Type Treespitation red, and bhowriets on ridge (	2DOVE TUNE!
Trails & Surve	vey Routes There is a Forest Service trail to the	e lake. The stream
ie alen accessih	vey Routes There is a Forest Service trail to the ble by walking on the banks.	
Aprial Survey	Notes This stream is too small and narrow to ef:	fectively survey by
air.	WOOGS THIS BETCH IS too SHEET the HELLOW to the	receively bulvey by
Anchonage	Anchor in small cove .3 miles south of mouth	
HICHOT age	THEREOF IN CHARLES TO WILLIAM TO THE METERS OF THE METERS	
Tide Stage Who	nen Surveyed Low tide.	
_		
FISHERY RESOU		
Commercial I	Fisheries Pink, chum, red, coho	
	Limited historical records High pink esc: 10-11-74	
8-8-57: 10-15	5,000 red were counted. Spawning area: 1045 m ² (250	'x75'x60% ASA)
		anningan parameter di parameter de de la companya de la compa
·		
Timing Late	te - September, October.	
Schooling a	areas Possible schooling area at mouth of stream	
	Potential Possibly dungness crab in cove3 mile	s south of stream
mouth.		and the state of t
Sport Fishe	eries Rainbow, possibly cutthroat and Dolly Varden	
Land Use at	t Present Recreation	
TIL - brown of	Land Use Ruins of old mine on north side of ITZ	
History of	Land use kuins of old mine on north side of 112	
Dababilitot	tion Dotontial Was the actuated of heims and	
	tion Potential <u>Has the potential of being a good</u>	sockeye producer but
	ay need to be artificially restored.	and could course
	eep banks and relatively high recreational use by hum	ans courd cause
severe erosion	on of the banks along Mahoney Creek	
GAME RESOURCES		
Bear	Fish carcasses or bones (old or fresh) on banks, e	estimate 10
IX all	Number of droppings	15
Geese		0
ueese	Number seen up creek	0
	Number of broods seen	0
Mallanda		0
Mallards		0
	Number seen up creek Number of broods seen	0
Managagagag		4adults
Mergansers -		0
Bald Eagles-	<ul> <li>Number seen along creek</li> <li>Number of nests seen and location</li> </ul>	0
Cocla		· 0
Seals ———		30 yds
Tide flats -		50 yds 50 yds
	Estimate depth out from beach	- JU yas
	HOLDEROOD DEGREE OF THE BUILD DEPTHALL OF LIBER	1.1



101-45-19, station #1, June 1976



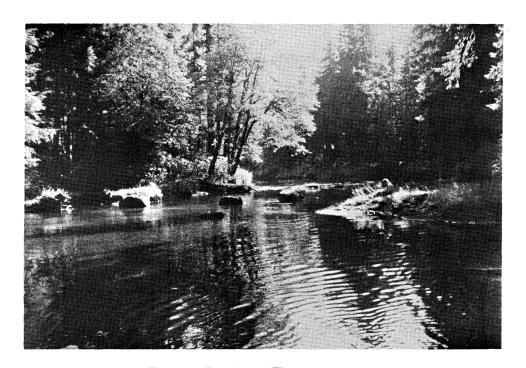
101-45-19, station #1, looking downstream, June 1976

101-45-19 Larson, Jackinsky Falls 15' 7-7-76 through narrow bedrock gorge Rapids & cascades LOCATION: W. Side George Inlet, 1 m. W.S. tip Coon Island. LATITUDE: 55 27 27 IIIILONGITUDE: 131 33 25 WATERSHED: Length 2.4 miles, area 2 sq. miles, Log jam Lake muskeg, runoff.  $1003 \text{ m}^2 \text{ (30'x600'x60\% ASA)}$ SPAWNING: REARING: Little rearing available in accessible portion of creek. 8' cascade STREAM: Clear, rapid, 16 cfs, 44°, pH 7.5 AIR TEMP: Pool 4'D x 60' x 20' Boulder & logs form 6' falls Rapids ASA 50% Velocity very rapid Slopes steep, banks stable, mostly bedrock Some algae, some moss Rapids 25% pools - small & narrow. Rock cliff 60' Medium amount of aquatic vegetation  $\sim$ 31' wide, 8" deep 70% ASA Streambed coarse gravel & rubble very clean. George Inict GEORGE. Bedrock INLET ITZ gravel & rubble

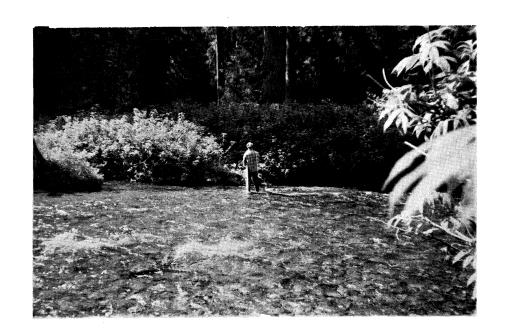
barnacles.

some sand with Fucus,

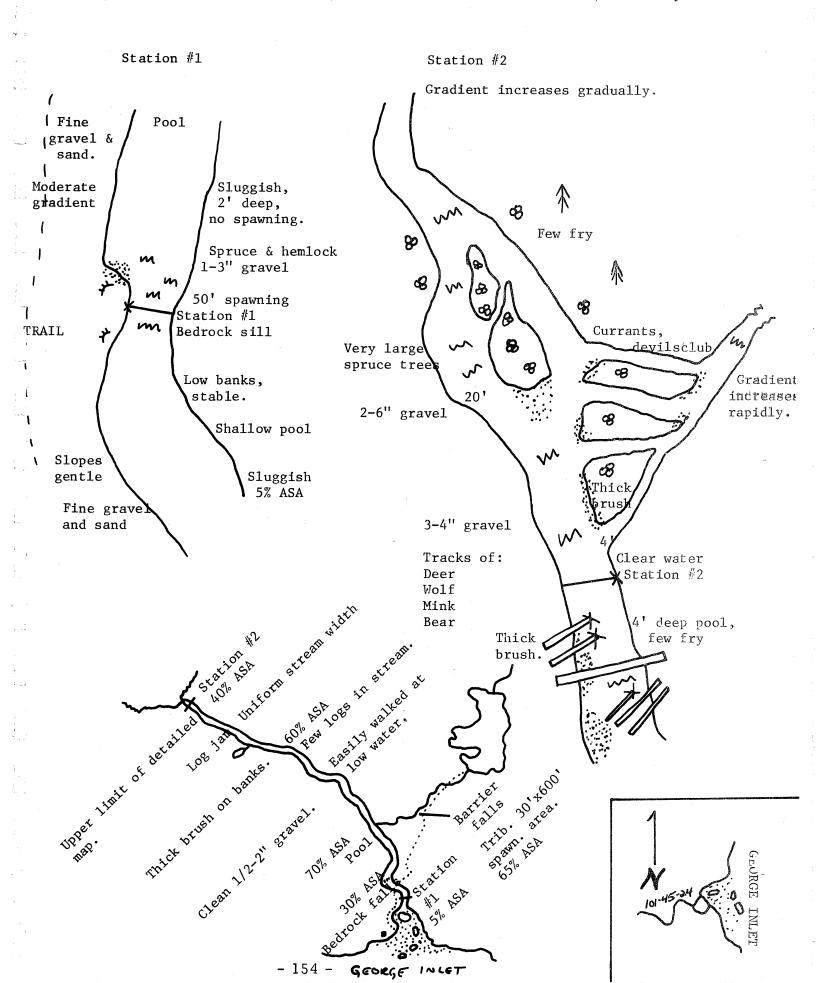
Spruce

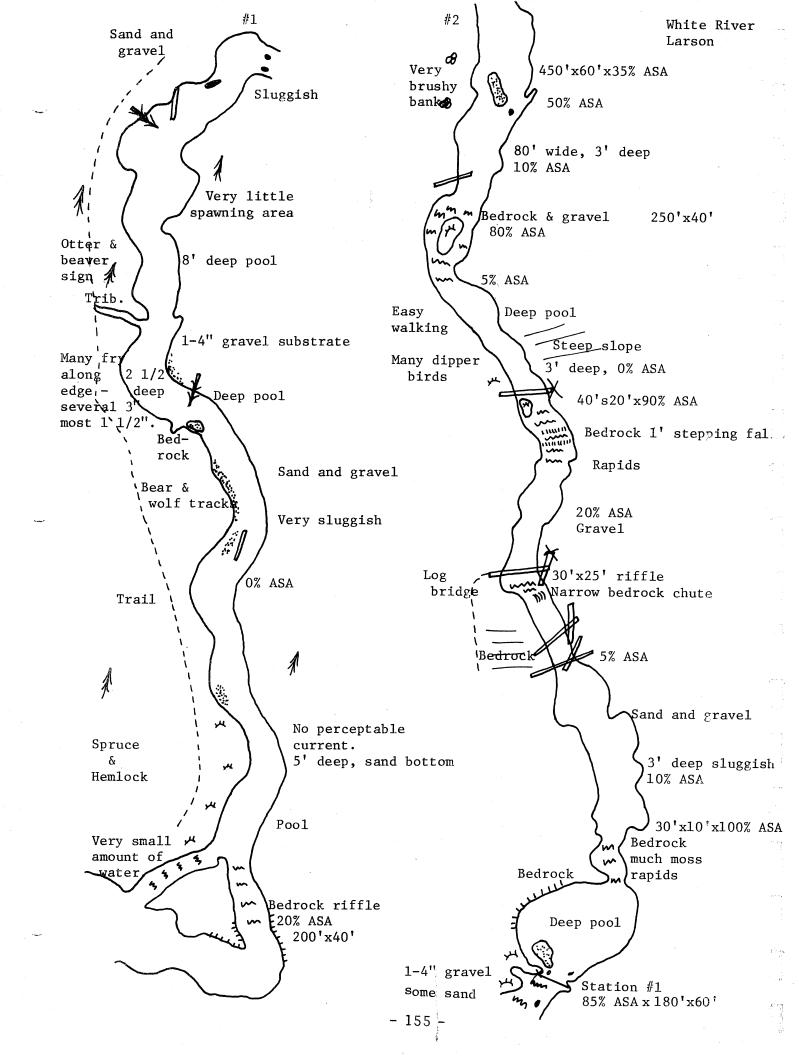


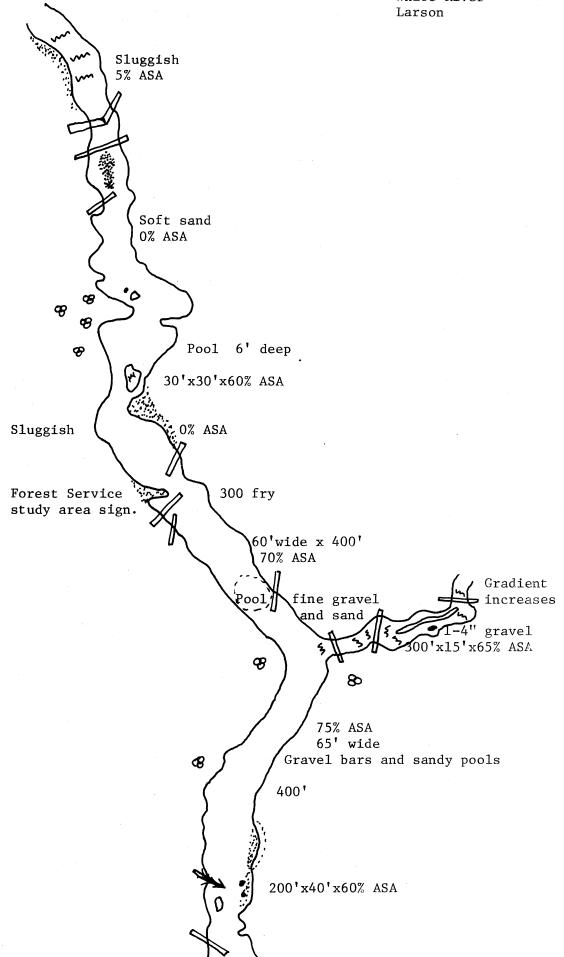
WHITE RIVER, Station #1, downstream



WHITE RIVER, Station #2







Name: White River	Catalog No: 101-45-24
Latitude: 55° 28' 26" Longitude: 131° 32' 13"	Former Stream No: K 94, Prev. no. 88
Geodetic Map No: Ketchikan B-5	Work Area: <u>Ketchikan</u>
Location: W. side George Inlet, 2.4 mile	e Watershed Length: 7.2 miles
S.W. Bat Point	Drainage Area: 13 sq miles
	Water Supply Type: Muskeg, lake, small ponds, runoff.
Trails & Survey Routes: Trail follow	s River 1.5 miles from mouth, beyond that
streambed fairly easily walked with game t	rails on banks as alternatives.
Assis I Comment Notes and Discourse	
Aerial Survey Notes: River sufficient several deep pools could conceal large num	bers of fish.
Anchorage: Just south of Forest Service	e trail marker in 11 fathoms.
Tide Stage when Surveyed: Began at 2	nd half of flood, ended at low tide.
RESOUR	CES
COMMERCIAL FISHERIES (species, esca	pement, timing, spawning area):
Pink, chum, coho. See attached escapemen	t record. Timing late (Sept October)
High 1970 - 50,000 pink, low 1962-0; 14 ye	ear average since 1961 12.550.
Spawning areas 35,000 m ² (15,000'x50'x50%	ASA)
Schooling Areas: Numerous deep pools a	and sloughs (noted on accompanying map)
Spawning Areas: At confluence of Harr	riet Hunt Lake stream and above.
SHELLFISH POTENTIAL: Clams and crabs 200 yds 1% eelgrass)	s on delta at mouth of stream. (tide flat
SPORT FISHERIES: Good fishing for Do	olly Varden, cutthroat, rainbow.
LAND USE (history, present, propose National Forest, White River Girl Scout Ca and upper tributaries of White River and comprise a heavily used local recreation a	amp south of mouth. Harriet Hunt Lake area
REHABILITATION POTENTIAL: None need	led to increase salmon production.
SOILS: Banks low, level, apparently st	able at present.
GAME RESOURCES (species, use, habit geese (15), mallards (4), mergansers (3),	tat): Bear (500 carcasses, 40 droppings), eagles (6), seal (1).

			STREAM INVENTORY FORM	Observers: Larson/Ward/Jackinsky
			Name: White River	Temperature: 60° 75°
			. Number: $101-45-24$	Weather: <u>Clear</u>
, v		C		
station No.		7		
Pool Size/Type	1/1	3/2		
Riffle Type Width-Depth	M, 09	58'W 1'D		
Pool Riffle Frequency	3	2		
Bottom lype (Riffle)	4/1	7		
Color/Turbidity	1/1	1/1		
Velocity	П	2		
1 Flow (C.F.S.) *	87	129		
159 (°F.)	48°	45°	1	
	7.5			
Fry Abundance		0		
Senthos Sample No.				
Higher Plant Class	Н	H		
Aquatic Veg. Density	3	3		
Ident. (1) Mosses (2) Algae	Н	7		
	_		T C + C + F	

General Remarks (rehab., land use, barriers, log jams, etc.):

## PEAK ESCAPEMENT RECORD

White River 101-45-24

101-45-24	1			· · · · · · · · · · · · · · · · · · ·
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-10-40	3,000			7,000 pink off mouth.
9-28-41				Fair.
9-14-42				Good. 20,000 off mouth.
10-11-43	500	100		Fair. 1000 off mouth.
10-5-47	2,000			Fair. 1000 dead pink.
9-17-49	1,599	45		173 dead pink, 7 dead chum.
9-17-50	1,238	86		8 dead pink, 4 dead chum.
9-6-53				Few fish in stream.
8-26-56	1,500	4,500		2000 chum, pink @ mouth.
7-28-61				300 @ mouth. Schooled.
8-28-62	·			500 @ mouth, Prob. chum, Vis. poor.
8-13-63	39,	800		Vis. poor to fair. Most schooled some spawning & dead.
8-30-64	15,000	8,000		Chums spawning in upper, pinks schooled.
8-26-65	14,000	500		2000 I.T. Stream low, fish spawn.
8-13-66	2,400	200		Poor vis. raining. 500 @ mouth.
8-14-67	7	80		3-4000 @ mouth on 8-3. Vis. Ex. except some shadow on lower strm.
8-19-68	300	few		Vis poor. in stream, good @ mouth. 8,000 at mouth.
8-20-69	3,000			Fish activity in pools and riffles Very poor vis. stream hi & dark.
9-8-70	3,000			Hard stream to survey.
8-27-71	50,000			Vis. good. Except lower area.
8-30-72	6,900	some - no	break down.	Vis. fair. Majority spawning.
8-11-73	21,200			500 @ mouth. Vis. fair to poor. Water dark.
			- 160 -	

## PEAK ESCAPEMENT RECORD

White River 101-45-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-28-74 8-21-75	5,400 20,700	20		200 @ mouth. 270-300 @ mouth.
		:		
			- 161 -	

LOCATION:

W. George In., 7 miles south of head

of Leask Cove

101-45-30 R.Larson

WATERSHED:

length 1-1/2 miles, area 2-1/2 miles

source - runoff. Air temp. 57°F.

STREAM DATA:

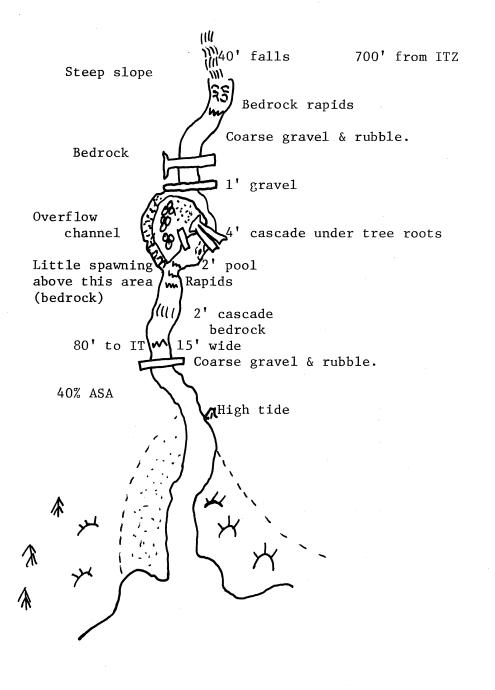
pH 7.75, 50°F, 17' width, clear, 60 m² (100'x15'x40% ASA)

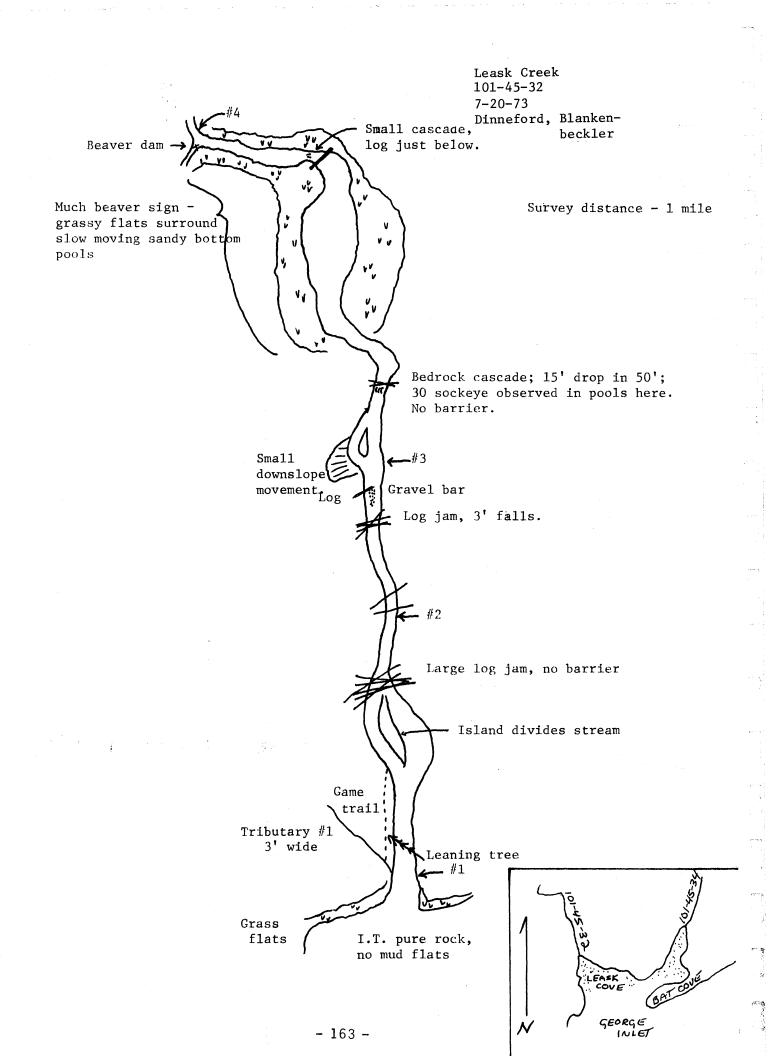
SPAWNING: REARING:

Poor rearing area.

SLOPE:

Gentle on north side, steep on south.





Name Leask Cr	eek	Catalog No. 101-45-32					
Latitude	N 55° 30' 35"	WR No. 89					
Longitude	W 131° 30' 54"	K No. 95					
Geodetic Map	Name Leask Creek Catalog No. 101-45-32 Latitude N 55° 30' 35" WR No. 89 Longitude W 131° 30' 54" K No. 95 Geodetic Map No. Ketchikan C-5 Work Area Ketchikan						
Location NW head of George Inlet watersned Length 3.5 miles							
Drainage Area	of Watershed						
Water Supply	Type Lakes located 2.	3 miles upstream.					
Trails & Surv	ov Poutos Face valle	ng - game trail intermittent, walking okay along					
streambed.	ey nouves Easy warki	ing - game trair intermittent, warking okay arong					
	Notes Good sorial v	visibility chances along upper length surveyed.					
Actial burvey	Notes Good aeriai v	isibility chances along upper length surveyed:					
Anchorage N	orth shore of cove offers	fair anchorage; 10-15 fathoms; sand and gravel					
hottom.							
Tide Stage Wh	en Surveyed <u>lst h</u>	nalf of flood.					
FISHERY RESOU	RCES						
	Fisheries Pink, socke	eve					
Escapement :	1940 - 2000 pink; '41 - 5	5000 pink; '47 - 375 pink, 8 chum; '49 - 420 pink					
7 chum, '55 -	1000 red; '56 1500 pink,	1500 chum; '57 - 400 sockeye.					
Spawning area	: 9197 m ² (5000'x30'x66	% ASA)					
Species Compo	sition: 90% pink, 5% chu	um, 5% red					
Timing Lat	e - September, October,						
Schooling a	reas Schooling in wi	ndfall pools only; especially just above Station					
Shellfish P	otential None - int	ertidal rocky.					
Chort Figho	mioc Cool steelhee	1/wadahana anti-hanah					
Sport trane	ries Good steelnea	nd/rainbow; cutthroat.					
Land Use at	Present None						
History of	Land Use None. Cab	oin located on north shore of cove.					
Dahahilitat	ion Dotonticl No.						
only above St		rehab. work required. Access for coho and sockey					
Soils Gener	rally very level and stab	ole. Small amount of downslope movement at					
Station #3.	rarry very rever and sear	Just Dinair amount of downstope movement at					
CAME DESCRIBER							
GAME RESOURCES							
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate0					
	Number of droppings	40					
Geese	Number seen on tide fla	ts					
	Number seen up creek	0					
	Number of broods seen	0					
Mallards	Number seen on tide fla						
	Number seen up creek	0					
	Number of broods seen	0					
Mergansers -	Number of broods seen	0					
Bald Eagles-							
	Number of nests seen an						
	Number seen at mouth of	and the state of t					
Tide flats -	Estimate length along b						
	Estimate depth out from						
	Eel grass present on wh	est percent of flats					

Observers:<u>Blankenbeckler, Dinne</u>ford Weather: Rain 7-20-73 Date: 7-20-Temperature: STREAM INVENTORY FORM 101-45-32 Name: Leask Creek Number:  $61^{\circ}$ 2/2 31'W 10"D 4 Н 51° 2/2 30'W 12"D 2  $^{\circ}$ 51° 26'W 18"D ~ 7 51° 2/1 39'W 8"D 106 ~ 0 ᠬ 4 Color/Turbidity - Flow (C.F.S.) 19 20 Temp. (°F.) Pool Size/Type Bottom Type (Riffle) Riffle Type Width-Depth Pool Riffle Frequency Station No. Velocity

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3-15-12 5-6

Fry Abundance

4-1

7-11-1

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Sample No.

Benthos

2

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Higher Plant Class

ന

Aquatic Veg.
Density
Ident.
(1) Mosses
(2) Algae

## PEAK ESCAPEMENT RECORD

## Leask Creek 101-45-32

101-45-3	32			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-10-40	2,000			1000 fish off mouth.
9-28-41	15,000		÷	
10-5-47	375	8		
9-16-49	417	6		
9-6-53			coho, red present	Few fish in stream.
7-28-55			1000 red	
Season '5	6 1,500	1,500		Season, by stream guard.
7-5-57		·	400 reds.	
6-21-61				None observed.
8-26-62		·		30 @ mouth, 400 in bay.
8-8-63				200 @ mouth. Poor vis - good showing off mouth. N.O. I.T.
7-20-64				I.T. survey only. Vis. poor.
7-27-65				Jumps at mouth. Vis. fair.
8-10-66				500 @ mouth. Poor vis.
8-19-68				2000 @ mouth, vis good @ mouth.
8-4-69				N.O.
8-25-70				5000 @ mouth. Vis. excellent.
7-10-74				2 @ mouth. Visibility good.
			- 166 -	

LOCATION:

Head of George In., 1 mile N.E. of

101-45-34 R. Larson

LATITUDE:

Bay Pt. 55° 30' 49"

LONGITUDE:

131° 29' 04"

WATERSHED:

length 1 mile, area 1 sq. mile, source - runoff.

STREAM DATA:

pH 7.5, 54°F., 5 cfs.,

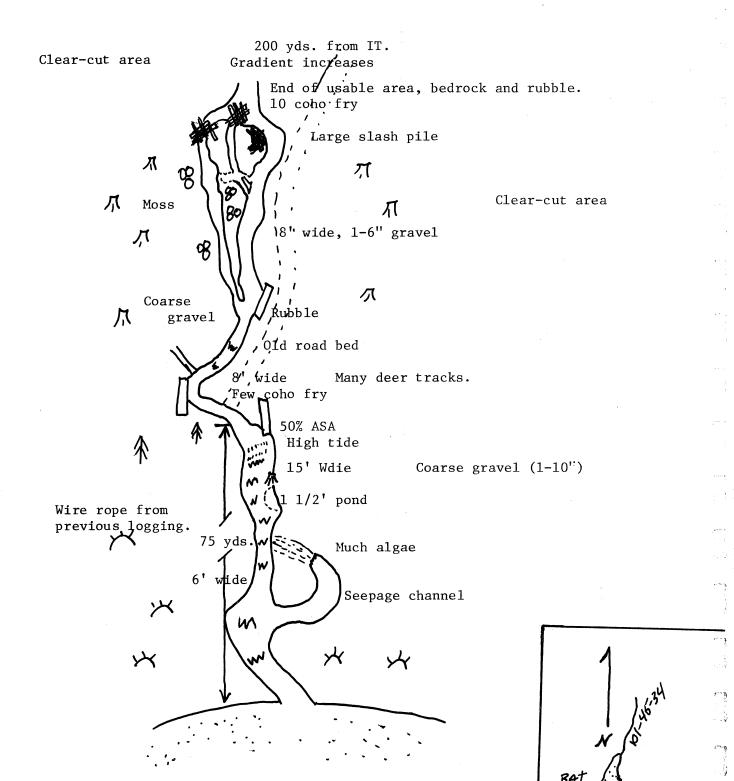
WEATHER:

SPAWNING/

61°F. 82 m² (225'x6'x 65% ASA)

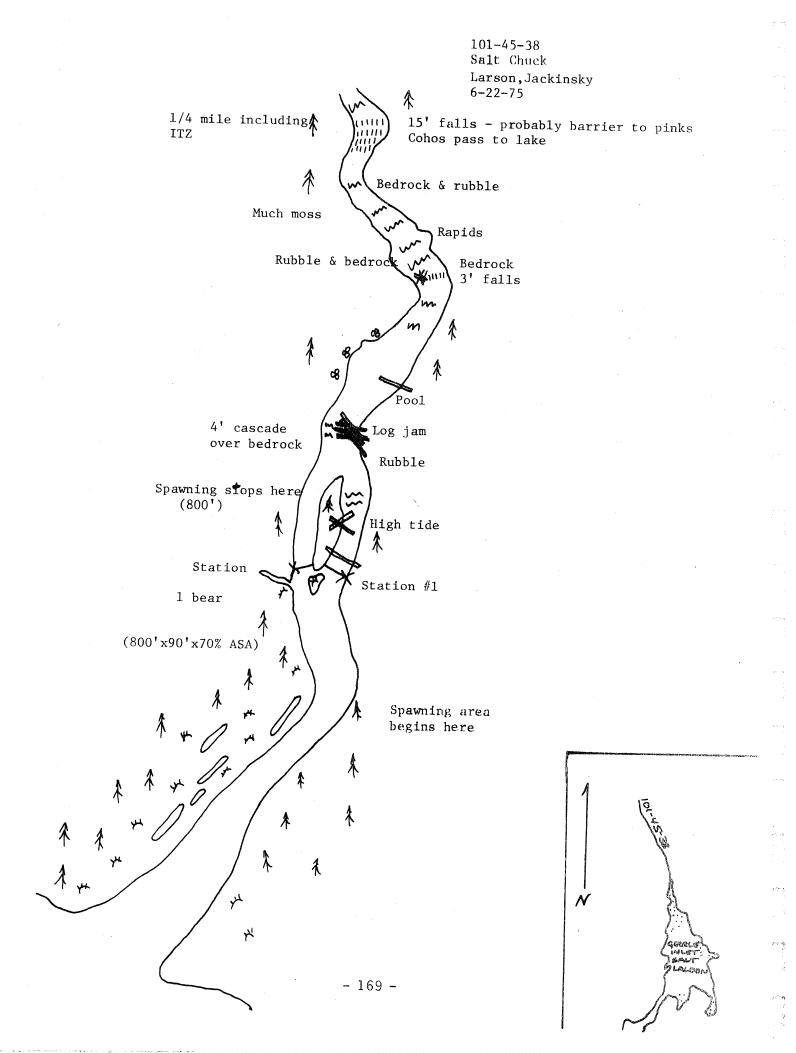
REARING:

Clear-cut area





SALT CREEK, ITZ.



Name: Salt Creek Latitude: 55 32 20	Catalog No: 101-45-38 Former Stream No: K96, Previous No. 90				
10001TH/10' 100 07 10	The state of the s				
Geodetic Map No: Ketchikan C-5	Work Area: Ketchikan				
Location: Head of Salt Lagoon includes all tributaries and lake system.	Watershed Length: 7 miles Drainage Area: 15 sq. miles				
Water Supply Type: 2 lakes, small pone					
muskeg, runoff Trails & Survey Routes: Intertidal portion easily surveyed by skiff. F. 11s . 2					
miles above top of intertidal area. Virtu	prtion easily surveyed by skiff. F. 1s .2 ally all spawning intertidal for pinks.				
Reflat Survey Notes. Visibility in i	ntertidal portion good.				
Anchorage: Bat Cove George Inlet. run					
	with skiff through rapids to salt lagoon.				
Tide Stage when Surveyed: 1/2 flood					
RESOUR	CES				
COMMERCIAL FISHERIES (species, esca	nement timing snawning area):				
Pink, chum, coho. Timing - Late (SeptOct					
Spawning area $4682 \text{ m}^2 (800' \times 90' \times 70\% \text{ ASA})$ .	Spawning limited to intertidal portion.				
Limited rearing available					
Schooling Areas: In salt lagoon off m	outh.				
Spawning Areas: Clean gravel riffles	in mid and upper portions of intertidal				
portion.	in mid and upper portions of intertidal				
SHELLFISH POTENTIAL: Dungeness crab	s off mouth.				
SPORT FISHERIES: Cutthroat trout in la	ke, good coho at mouth and in lake at times.				
LAND HCD (history process)	1).				
check clear cut.	ed): Areas of hillside adjacent to salt				
REHABILITATION POTENTIAL: None					
SOILS: Appeared stable					
GAME RESOURCES (species, use, habit Waterfowl nesting area.					

					STRE	STREAM INVENTORY FORM	VIORY F	ORM		- •	Observers:	1 -	Larson	Larson, Jackinsky	insky
					Name	Name: Salt Chuck	Chuck	1			Temperature:	ature:	: 66°F	H	
				,	Number:	- H	101-45-38				wearner:		rair		
,													-		
Station No.	Н	2		-			_	-							
Pool Size/Type	3/2	3/2													
Riffle Type Width-Depth	82'W 1'D	52'W 1'D													
Pool Riffle Frequency	٣	8													
Bottom Type (Riffle)	4	4													
Color/Turbidity	2/1	2/1													
Velocity	2	2													
Flow (C.F.S.)	66		(186 total)												
Temp. (°F.)	45°	45°			-										
Hd	7.5	7.5													
Fry Abundance				ļ											
Benthos Sample No.									•						
Higher Plant Class	П	1													

- 171 -

Right side of Island Left side of Island General Remarks (rehab., land use, burriers, log jams, etc.): 1.

Aquatic Veg.
Density
Ident.
(1) Mosses
(2) Algac

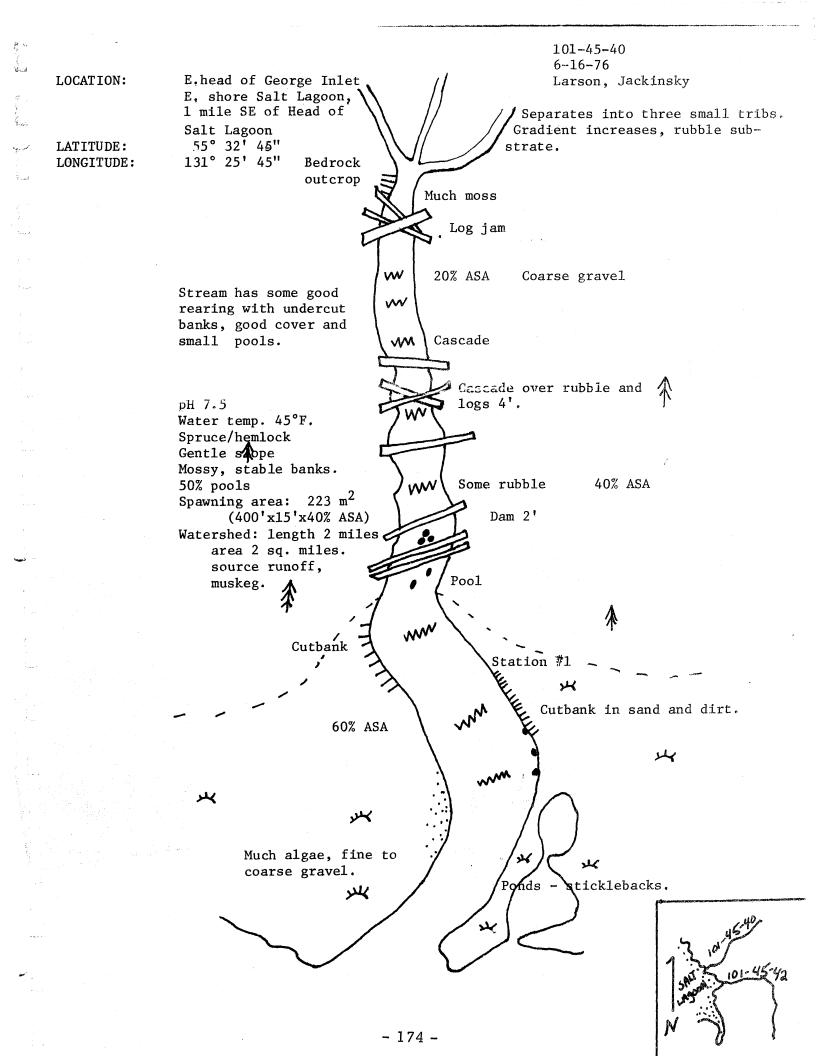
## PEAK ESCAPEMENT RECORD

Salt Chuck Creek

DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
7-7-48	75			
8-30-49	•			None observed.
7-24-55	400		100 coho	
8-26-62	3,000			300 @ mouth. Good visibility.
8-13-63	6,	500		Vis. fair to poor. 2-3000 at mouth, present I.T.
8-30-64	4,000			
7-27-65			100 coho	Visibility good.
8-5-66	• •			1300 - 5 balls at mouth. 100 @ I.T. Visiblity good.
8-14-67				Good visibility.
8-19-68	present	·		1000 I.T. Poor vis. in stream due to shade.
8-4-69				3 schools (250) at mouth.
8-25-70	600		*	Visibility good.
8-4-71				None observed. Vis. poor. Man jumps at mouth.
8-16-72	1,500			Many dead.
8-17-73	7,900			Visibility fair.
8-28-74	2,900			100 @ mouth.
8-2-75	few 100			Visibility poor.
			- 172 -	



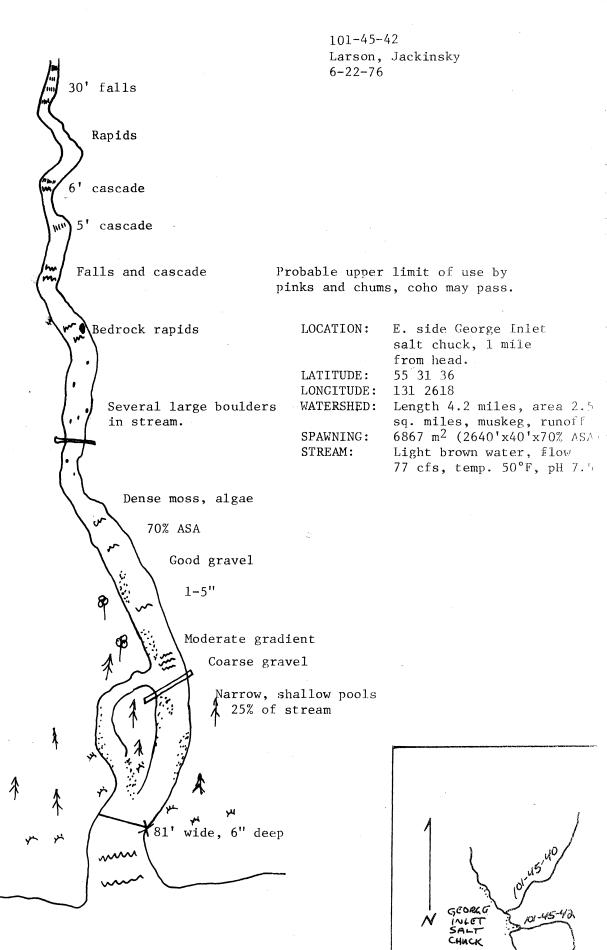
101-45-40, from ITZ.



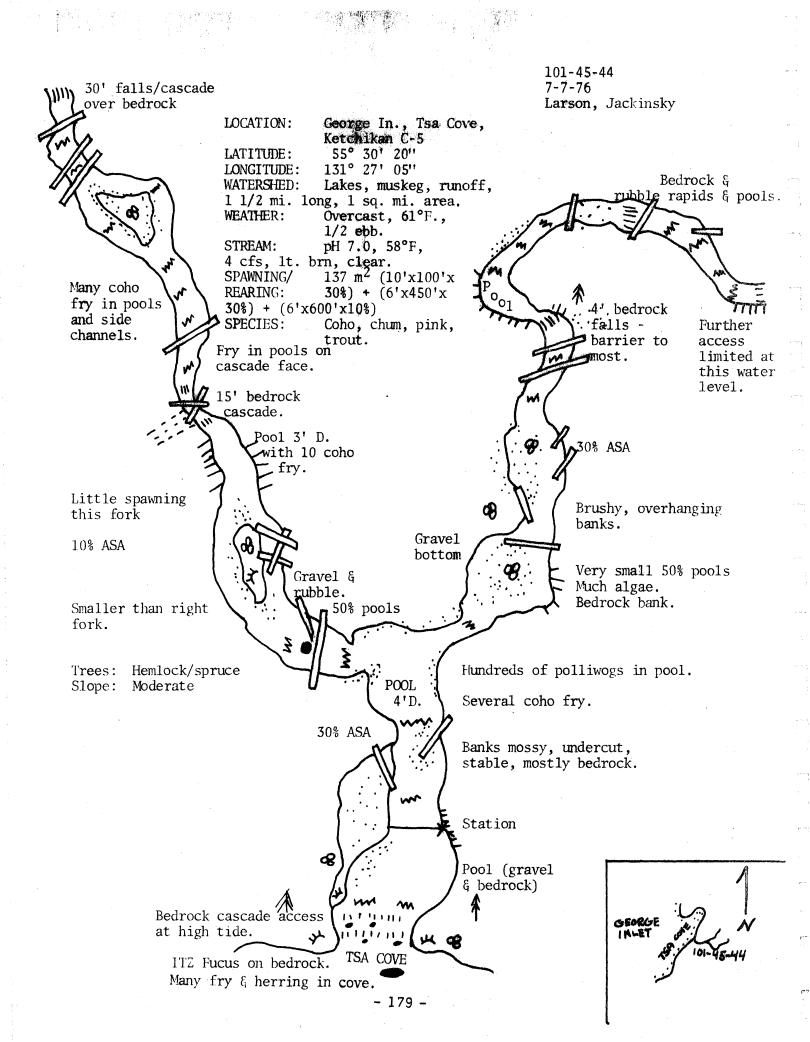
General Remarks (rehab., land use, barriers, log jams, etc.):



101-45-42



101-45-42	,			+
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-3-63	600	100		Chums spawning, pinks schooled. None observed I.T.
		-		
	.			
			•	
			-178 -	



101-45-46 Larson, Jackinsky

7-7-76

Hd. Coon Cove, George Inlet

LATITUDE:

55 18 00

LONGITUDE:

LOCATION:

131 27 56

SPAWNING:

Spawning intertidal approx. 10  $\mathrm{m}^2$ 

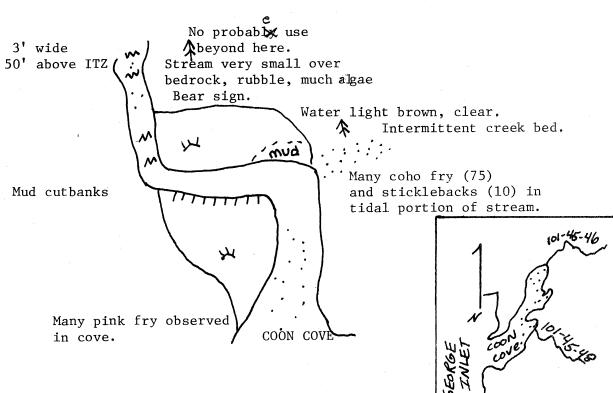
REARING: WEATHER: Limited. Fair 60°

SLOPE:

Moderate

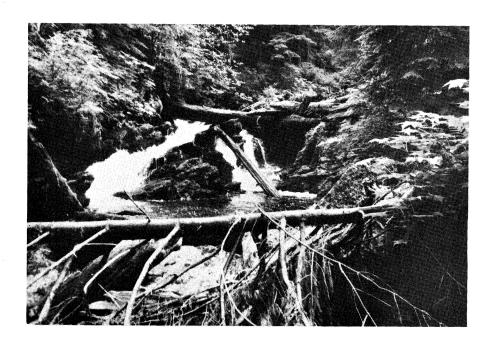
TREES:

Hemlock, spruce





101-45-48, upper ITZ, June 1976



101-45-48, falls, June 1976

LOCATION:

George Inlet, Coon Cove, S. side,

.6 mile inside.

101-45-48

Larson, Jackinsky

GEORGE

INLET

7-7-76

LATITUDE:

55 27 29

LONGITUDE:

TREES:

131 28 46

Hemlock/spruce

WATER

47°, Lt. Brown, clear; pH 7.5; velocity

SLOPE:

rapid to torrential. About 20 cfs.

Moderate

BANKS:

Stable, mossy, mostly bedrock.

SPAWNING:

Approx. 15 m²

REARING:

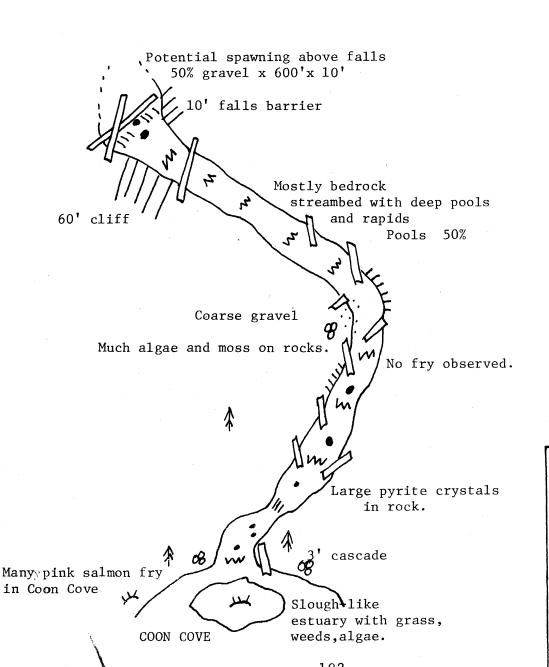
Limited

TIDE STAGE:

High at time of survey.

WEATHER:

High broken clouds, 60°



4' falls 101-45-50 mile from ITZ Difficult walking Larson, Jackinsky very steep slopes. 7-7-76 4' falls Bedrock LOCATION: E. side George In. 4.3 mi. south **1∕**ide southern tip Coon Island. LATITUDE: Ketchikan B-5 55 24 01 131 26 55 LONGITUDE: Rubble Gravel riffle Length 3.5 mi., area 5 sq. miles, WATERSHED: 5% ASA small lake, runoff Rapids, SPECIES: Pink, chum poo1 441 m² (1320'x36'x10% ASA) SPAWNING: Slide Rubble and coarse Velocity rapid to torrential. gravel. Water light brown/clear. Moderate to steep slope. Flow approx. 35 cfs. Rubble, rapids cascade 3' falls 40% pools Slide 2' falls Large boulders 4' deep pool in streambed. Log jam 5% ASA Steelhead bones - fresh 300' above station **从**\Bedrock and rubble gradient increase rapidly. 4' deep Some coarse gravel bedrock pool 10% AS& Very steep banks 40% rubble 50% gravel 10% boulders 25% ASA Medium dense aquatic veg. Much moss High tide Large spruce & hemlock .36' wide, 1' deep Bedrock outcro Rubble, 2' falls Rubble & coarse gravel - dense algae. Rapids. ITZ coarse gravel and rubble with Fucus GEORGE Spruce INLET **- 1**83 -

Carroll Inlet 101-45-59 8-24-73 Dinneford, Joyner Barrier log jam above station #3 Survey Distance Much braiding of channel, unstable 5/8 mile conditions Banks begin to level 3 4' falls Barrier for pinks (?) Station #2 Gentle bedrock cascade for 150 feet Excellent gravel 80% _ Station #1 - H.T. line

Name		Catalog No. 101-45-59	
Latitude N	55° 23' 42" 131° 22' 42"	WR No.	
Longitude W	131° 22' 42"	N NO.	
Geodetic Map N	No. Ketchikan B-5	Work Area <u>Ketchikan</u>	
Location Carroll	In., SW Hume Is. 1 mile	Watershed Length 2.5 mil	es
	of Watershed		
Water Supply T	Type Precipitation, s	prings	
			معيدية المؤدن خدامية والمتارية والمتارية والمتارية والمتارية والمتارية والمتارية والمتارية
Trails & Surve	ey Routes <u>Easy walkin</u>	g along stream.	-
			Min throughour trains and the train they are garden
	Notes Fair visibilit	y, but trees are growing to bank a	long most of
length.			
Anchorage ro	our anchorage, sandy cove	open to south.	With the second control of the second contro
Tide Stage Whe	en Surveyed 2nd half	of ebb.	
FISHERY RESOU	POFO		
		seen on 8-24-73; some spawning. Co	
in trans	risherics 75 pinks	seen on 6-24-75; some spawning. Co	ono Iry raken
Escapement	No record Snawning are	ea = 3450 m ² (3300'x15'x75% ASA)	Military in the second
200apomo.io	No record Spanning art		adelta a et animage et constitutamente et animantaturi et et animaliar et e equantaturi et de animaliar et est
	position Unknown		
Timing Mide	ile - August, September.		
Schooling a	reas Small pools ab	ove ITZ	
Shellfish P	otential <u>Extensive</u>	mussel bed, a few steamer clam she	alls observed.
Some eer gras	SS IN IOW IIZ		
Sport Fishe:	ries <u>Cutthroat fry o</u>	bserved.	
T			
Land Use at	Present None		
Wigton: of	Lond Hoo Tales		
HESCOLY OF	Land Use Logging E	ook place north of the stream 5-10	year ago.
Rehahilitat	ion Potential log r	emoval downstream would make upstre	
more accessil	ole.	CINTY OF TOWNS LICENIA WOULD MAKE UPSITE	zam stretches.
		tches of downslope movement notice	ced along
stream length			
GAME RESOURCES			
Bear		(old or fresh) on banks, estimate	0
0	Number of droppings		
Geese	Number seen on tide flat		
	Number seen up creek		
Mo 7 7 and a	Number of broods seen		0
Mallards	Number seen on tide fla	US CONTRACTOR OF THE CONTRACTO	
	Number seen up creek Number of broods seen		0
Mangangang	Number of broods seen		0
	Number seen along creek		0
rata ragres.	Number of nests seen an		0
Seals	Number of heats seen ar		0
	Estimate length along b		1/8 mile
	Estimate depth out from		40 feet
	Eel grass present on wh		15%